For Research Use Only

human IBA1 Monoclonal antibody

Catalog Number:66827-1-Ig 63 Publications

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Basic Information

Catalog Number:
66827-1-Ig

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG28236

GenBank Accession Number:
BC009474

GeneID (NCBI):
199

ENSEMBL Gene ID:
ENSG00000204472

UNIPROT ID:
P55008

Full Name:
allograft inflammatory factor 1

Calculated MW:
17 kDa

Purification Method:
Protein A purification

CloneNo.:
1C6A10

Recommended Dilutions:
IHC: 1:1000-1:4000

Applications

Tested Applications:
IHC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human

Cited Species:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human brain tissue, human gliomas tissue, human liver cancer tissue, human tonsillitis tissue

Background Information

IBA1 is a 143 amino acid cytoplasmic, inflammation response scaffold protein. It is constitutively expressed in monocytes and macrophages and is known to be involved in macrophage activation. It is a marker of activated macrophage. Expression of IBA1 is up-regulated in activated microglia following facial nerve axotomy, ischemia, and several brain diseases, thereby implicating it in the activated phenotypes of microglia.

Notable Publications

Author	Pubmed ID	Journal	Application
Yingchu Gu	34471984	J Mol Neurosci	IF
Shiji Huo	34836549	J Neuroinflammation	IF
Yuanxing Cai	34851237	Bioengineered	IF

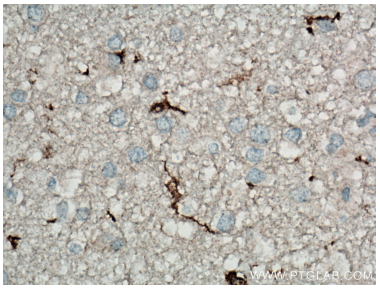
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

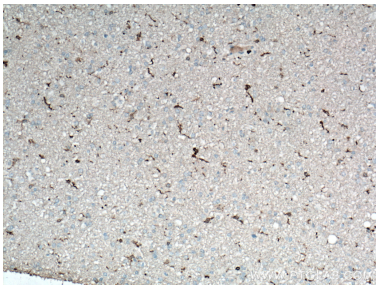
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

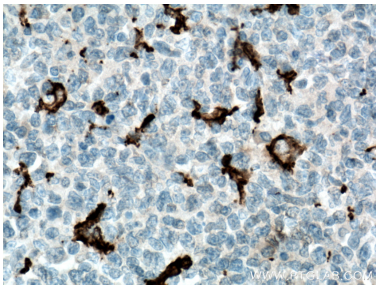
Selected Validation Data



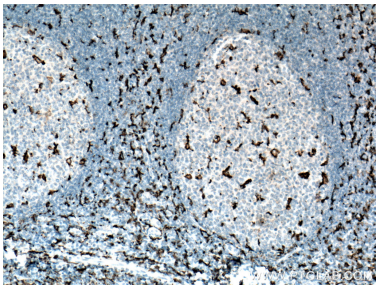
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66827-1-Ig (IBA1 antibody) at dilution of 1:4000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



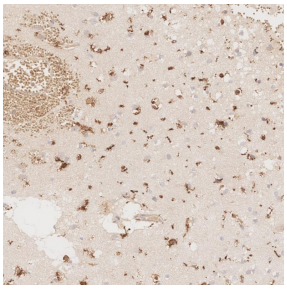
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66827-1-Ig (IBA1 antibody) at dilution of 1:4000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



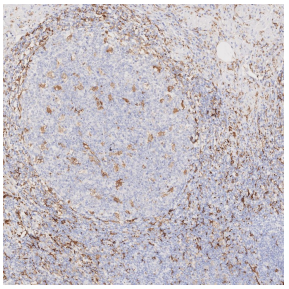
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66827-1-Ig (IBA1 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



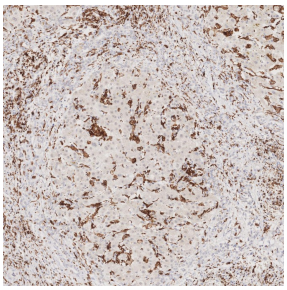
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66827-1-Ig (IBA1 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



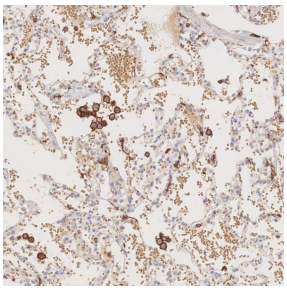
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). The staining was performed on an autostainer.



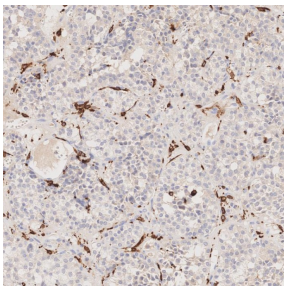
Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). The staining was performed on an autostainer.



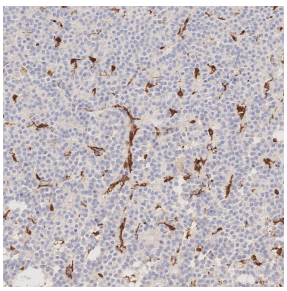
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). The staining was performed on an autostainer.

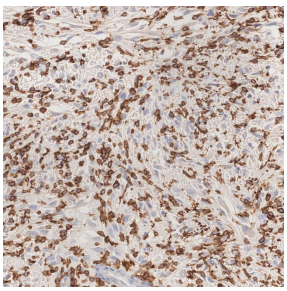


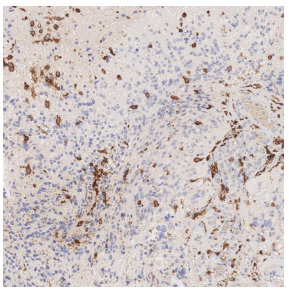
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). The staining was performed on an autostainer.



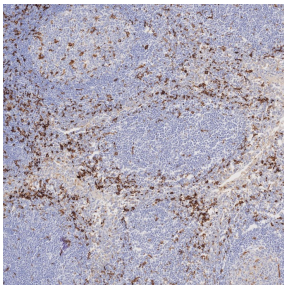
Immunohistochemical analysis of paraffin-embedded human pituitary adenoma tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). The staining was performed on an autostainer.



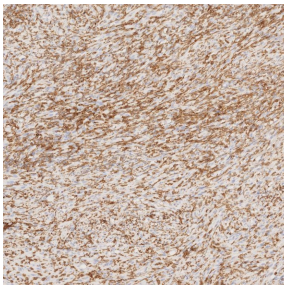




Immunohistochemical analysis of paraffin-embedded human pituitary adenoma tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). The staining was performed on an autostainer.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). The staining was performed on an autostainer.



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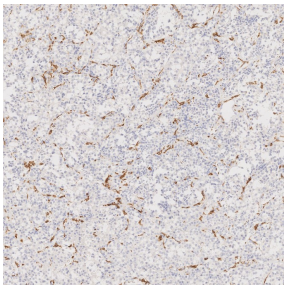
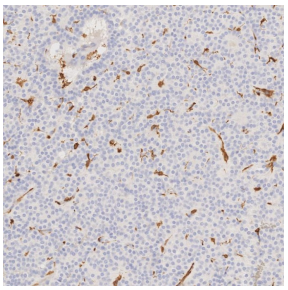


Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). The staining was performed on an autostainer.



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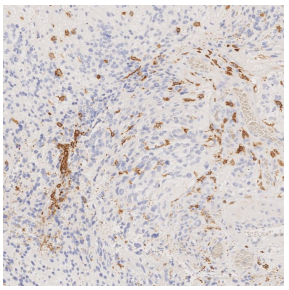
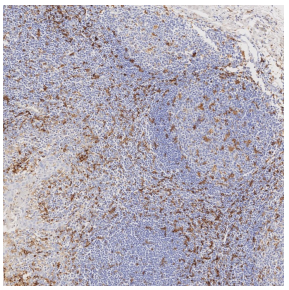


Immunohistochemical analysis of paraffin-embedded human pituitary adenoma tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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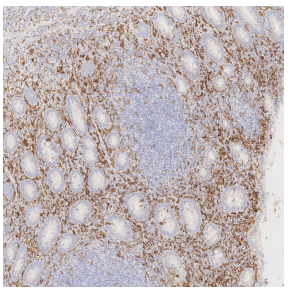

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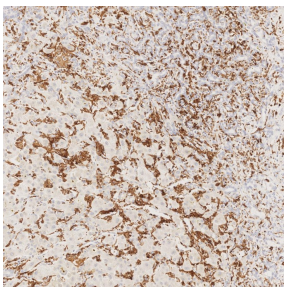
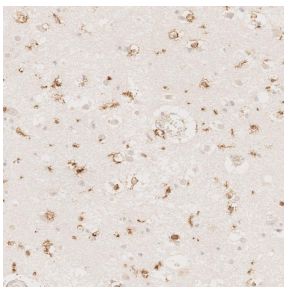
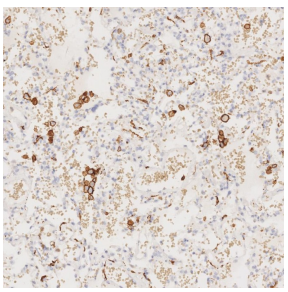


Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 66827-1-Ig (human IBA1 antibody) at dilution of 1:4000. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).