

## human IBA1 Monoclonal antibody

Catalog Number: 66827-1-Ig 47 Publications

## Basic Information

Catalog Number: 66827-1-Ig	GenBank Accession Number: BC009474	Purification Method: Protein A purification
Concentration: 2000 ug/ml	GeneID (NCBI): 199	CloneNo.: 1C6A10
Source: Mouse	ENSEMBL Gene ID: ENSG00000204472	Recommended Dilutions: IHC 1:1000-1:4000 IF-Fro 1:200-1:800
Isotype: IgG2a	UNIPROT ID: P55008	
Immunogen Catalog Number: AG28236	Full Name: allograft inflammatory factor 1	
	Calculated MW: 17 kDa	

## Applications

Tested Applications: IHC, IF-Fro, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	IHC : human brain tissue, human gliomas tissue, human liver cancer tissue, human tonsillitis tissue
Species Specificity: human	IF-Fro : mouse brain tissue,
Cited Species: human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

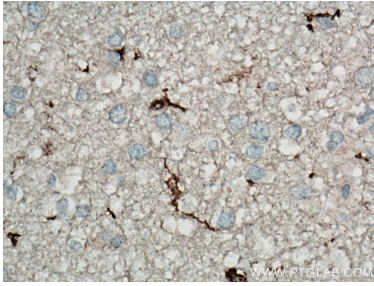
For technical support and original validation data for this product please contact:

T: 4006900926

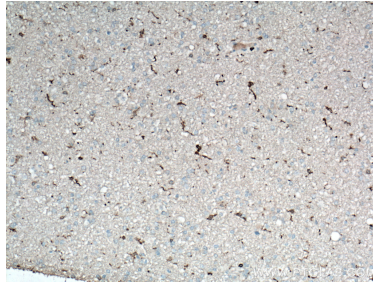
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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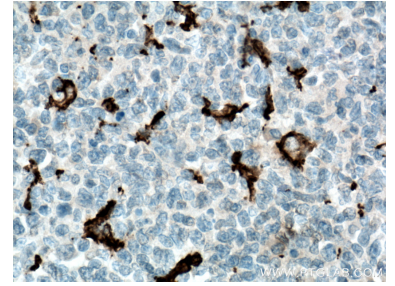
## Selected Validation Data



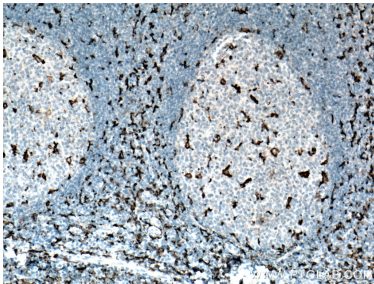
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66827-1-Ig (IBA1 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



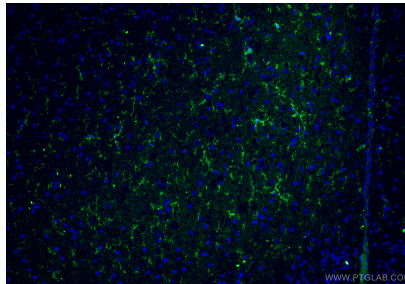
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66827-1-Ig (IBA1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse brain tissue using human IBA1 antibody (66827-1-Ig, Clone: 1C6A10) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).