

For Research Use Only

# IBA1 Polyclonal antibody

Catalog Number: 30523-1-AP



## Basic Information

Catalog Number:	30523-1-AP	GenBank Accession Number:	NM_019467	Purification Method:	Antigen affinity purification
Concentration:	900 µg/ml	GeneID (NCBI):	11629	Recommended Dilutions:	IHC: 1:200-1:800 IF-P: 1:200-1:800
Source:	Rabbit	UNIPROT ID:	O70200		
Isotype:	IgG	Full Name:	allograft inflammatory factor 1		
Immunogen Catalog Number:	AG30575	Calculated MW:	17 kDa		

## Applications

Tested Applications:	IHC, IF-P, ELISA	Positive Controls:	
Species Specificity:	mouse, rat	IHC :	rat brain tissue, mouse brain tissue, mouse spleen tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0		IF-P :	rat brain 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.

## 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:

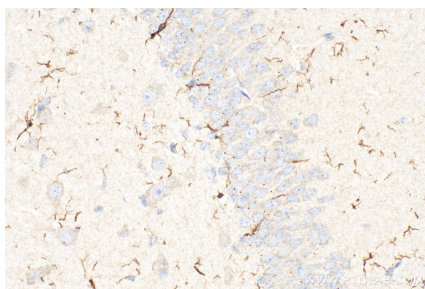
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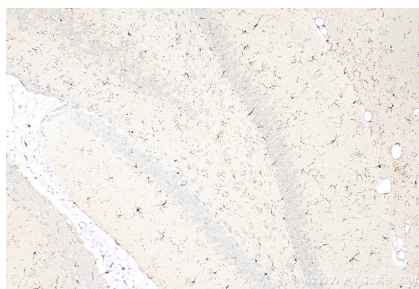
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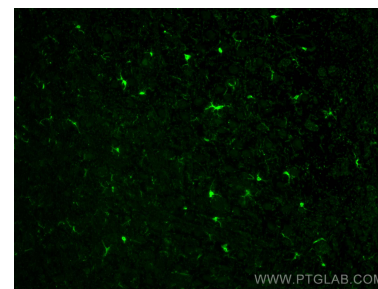
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 30523-1-AP (IBA1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 30523-1-AP (IBA1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using IBA1 antibody (30523-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).