

For Research Use Only

# IBA1 Polyclonal antibody

Catalog Number: 26177-1-AP

12 Publications



## Basic Information

<b>Catalog Number:</b> 26177-1-AP	<b>GenBank Accession Number:</b> BC009474	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 199	<b>Recommended Dilutions:</b> WB: 1:500-1:1000 IHC: 1:400-1:1200
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000204472	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P55008	
<b>Immunogen Catalog Number:</b> AG24000	<b>Full Name:</b> allograft inflammatory factor 1	
	<b>Calculated MW:</b> 17 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC, IF	<b>WB :</b> THP-1 cells,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> rat brain tissue, mouse brain tissue
<b>Cited Species:</b> mouse, rat	
<b>Note-IHC:</b> suggested antigen retrieval with <b>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
Chenyu Zhang	40151316	Mediators Inflamm	IHC
Qingling Zhai	40045241	J Headache Pain	IF
Deng-Pan Wu	39953602	Alzheimers Res Ther	WB

## Storage

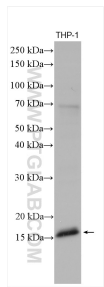
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

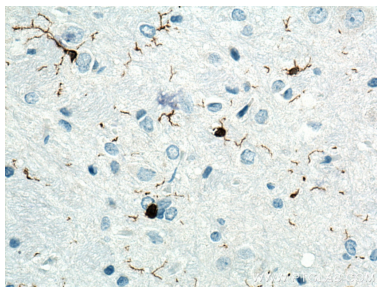
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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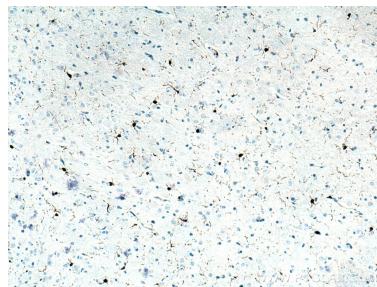
## Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 26177-1-AP (IBA1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 26177-1-AP (IBA1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 26177-1-AP (IBA1 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).