

For Research Use Only

# IBA1 Polyclonal antibody

Catalog Number: 26177-1-AP **2 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> 800 µg/ml	<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> IHC, WB, ELISA	<b>Positive Controls:</b> WB : THP-1 cells, IHC : rat brain tissue, mouse brain tissue
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> rat, mouse	
<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
Xudong Huang	37348819	Toxicon	WB,IF
Fankai Gao	37127175	Brain Res	IHC

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

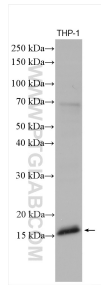
T: 4006900926

E: Proteintech-CN@ptglab.com

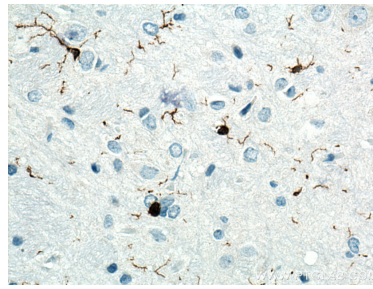
W: ptgcn.com

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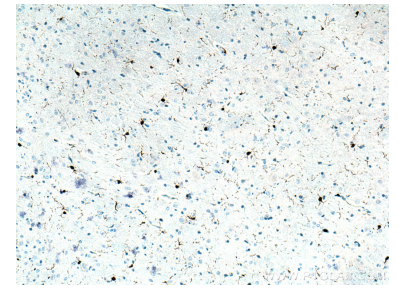
## Selected Validation Data



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).