

For Research Use Only

IBA1 Polyclonal antibody

Catalog Number: 26177-1-AP

8 Publications



Basic Information

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

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB: THP-1 cells,
Species Specificity: human, mouse, rat	IHC: rat brain tissue, mouse brain tissue
Cited Species: mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
Yuchen Yao	39758888	Front Neurosci	IF
Qiussha Li	39111605	Brain Res Bull	WB
Zhihong Cheng	39070852	J Pain Res	IHC

Storage

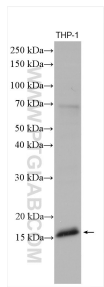
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

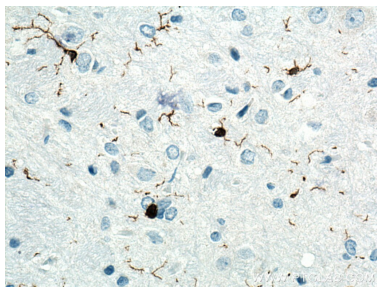
For technical support and original validation data for this product please contact:
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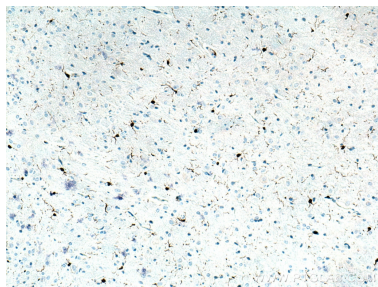
Selected Validation Data



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).