

For Research Use Only

human IBA1 Monoclonal antibody

Catalog Number: 66827-1-Ig 48 Publications



Basic Information

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

Applications

Tested Applications:	Positive Controls:
IHC, ELISA	
Cited Applications:	IHC : human brain tissue, human gliomas tissue,
WB, IHC, IF	human liver cancer tissue, human tonsillitis tissue
Species Specificity:	
human	
Cited Species:	
human	

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
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:

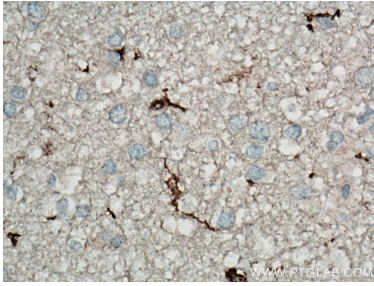
T: 4006900926

E: Proteintech-CN@ptglab.com

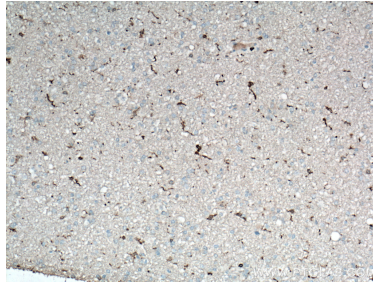
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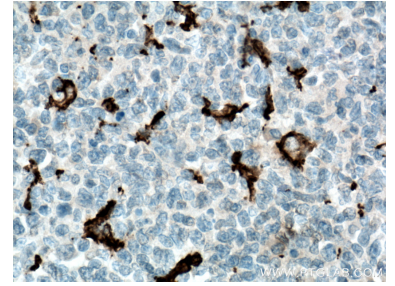
Selected Validation Data



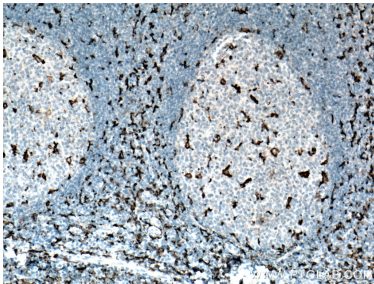
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66827-1-Ig (IBA1 antibody) at dilution of 1:4000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).