

For Research Use Only

human IBA1 Monoclonal antibody

Catalog Number: 66827-1-Ig 47 Publications



Basic Information

Catalog Number:	66827-1-Ig	GenBank Accession Number:	BC009474	Purification Method:	Protein A purification
Size:	150ul , Concentration: 2144 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI):	199	CloneNo.:	1C6A10
Source:	Mouse	ENSEMBL Gene ID:	ENSG00000204472	Recommended Dilutions:	IHC 1:1000-1:4000 IF-Fro 1:200-1:800
Isotype:	IgG2a	UNIPROT ID:	P55008		
Immunogen Catalog Number:	AG28236	Full Name:	allograft inflammatory factor 1		
		Calculated MW:	17 kDa		

Applications

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

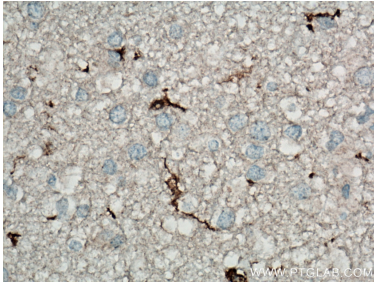
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

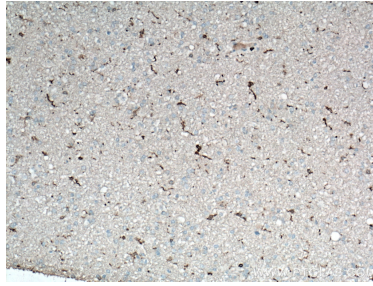
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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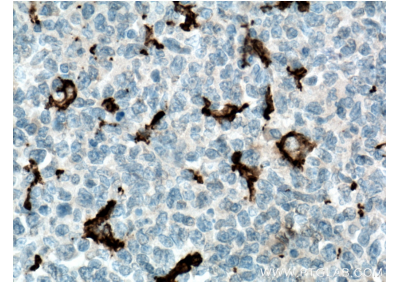
Selected Validation Data



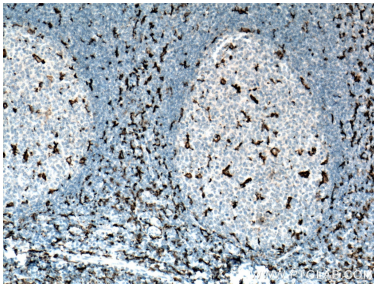
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66827-1-Ig (IBA1 antibody) at dilution of 1:4000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



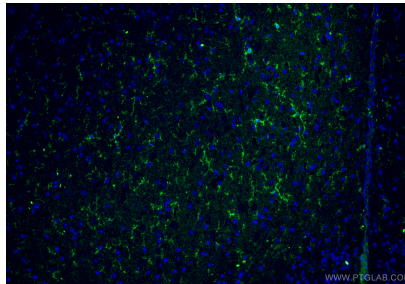
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66827-1-Ig (IBA1 antibody) at dilution of 1:4000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse brain tissue using human IBA1 antibody (66827-1-Ig, Clone: 1C6A10) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).