

For Research Use Only

# CoraLite® Plus 488-conjugated IBA1 Polyclonal antibody

Catalog Number: CL488-10904

Featured Product

2 Publications



## Basic Information

<b>Catalog Number:</b> CL488-10904	<b>GenBank Accession Number:</b> BC009474	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 199	<b>Recommended Dilutions:</b> IF-P 1:50-1:500
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000204472	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P55008	
<b>Immunogen Catalog Number:</b> AG1363	<b>Full Name:</b> allograft inflammatory factor 1	
	<b>Calculated MW:</b> 17 kDa	

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF-P : rat brain tissue,
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> mouse	

## 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
Wei Du	39644326	ACS Chem Neurosci	IF
Xingfei Zhu	37217935	J Neuroinflammation	IF

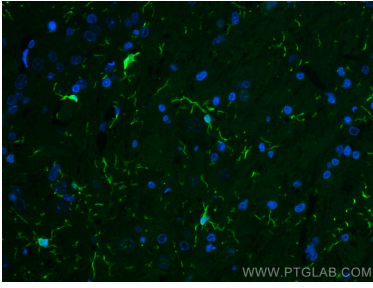
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

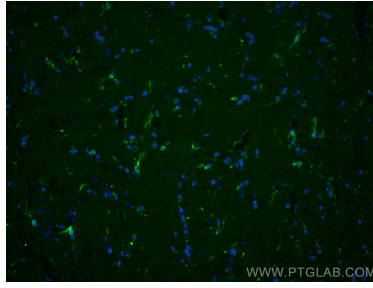
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using CoraLite® Plus 488 IBA1 antibody (CL488-10904) at dilution of 1:200.



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