

For Research Use Only

# IBA1 Polyclonal antibody, PBS Only

Catalog Number: 10904-1-PBS

Featured Product



## Basic Information

### Catalog Number:

10904-1-PBS

### Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1363

### GenBank Accession Number:

BC009474

### GeneID (NCBI):

199

### ENSEMBL Gene ID:

ENSG00000204472

### UNIPROT ID:

P55008

### Full Name:

allograft inflammatory factor 1

### Calculated MW:

17 kDa

### Purification Method:

Antigen affinity purification

## Applications

### Tested Applications:

IHC, IF-P, FC (Intra), IP, ELISA

### Species Specificity:

human, mouse, rat

## 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.

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS only, pH7.3

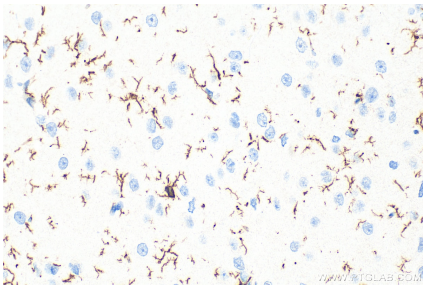
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

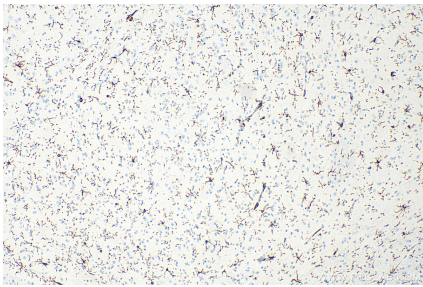
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

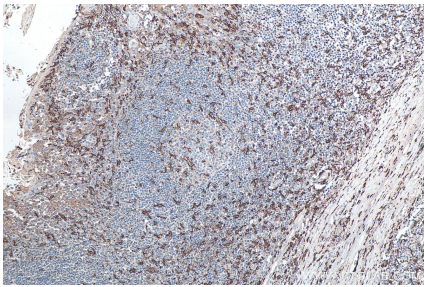
Selected Validation Data



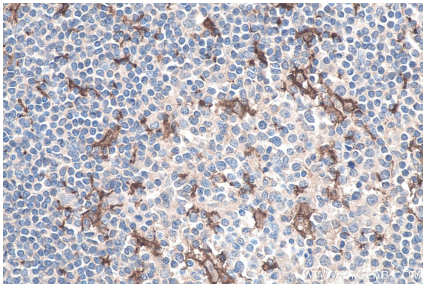
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 10904-1-AP (IBA1 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10904-1-PBS in a different storage buffer formulation.



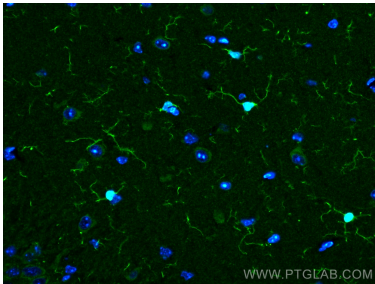
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 10904-1-AP (IBA1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10904-1-PBS in a different storage buffer formulation.



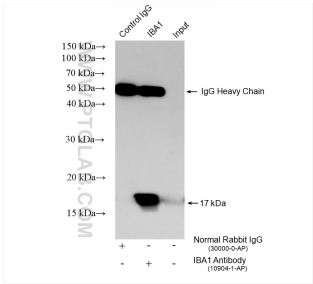
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10904-1-AP (IBA1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10904-1-PBS in a different storage buffer formulation.



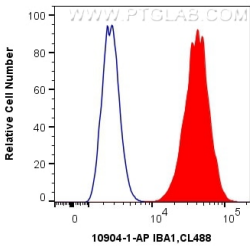
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10904-1-AP (IBA1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10904-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using IBA1 antibody (10904-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 10904-1-PBS in a different storage buffer formulation.



IP result of anti-IBA1 (IP:10904-1-AP, 4ug; Detection:10904-1-AP 1:500) with THP-1 cells lysate 2400 ug. This data was developed using the same antibody clone with 10904-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> THP-1 cells were intracellularly stained with 0.4 ug Anti-Human IBA1 (10904-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 10904-1-PBS in a different storage buffer formulation.