

For Research Use Only

# IBA1 Recombinant antibody, PBS Only



Catalog Number: 81728-1-PBS

## Basic Information

<b>Catalog Number:</b> 81728-1-PBS	<b>GenBank Accession Number:</b> BC009474	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 199	<b>CloneNo.:</b> 4D5
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000204472	
<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	
	<b>Observed MW:</b> 17 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA, IHC, IF, FC

**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

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

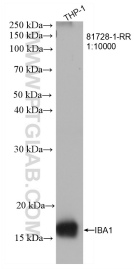
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

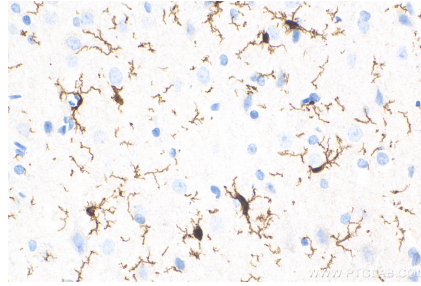
W: [ptgcn.com](http://ptgcn.com)

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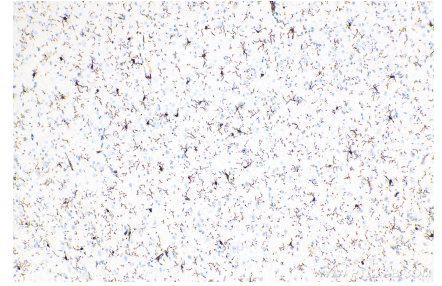
## Selected Validation Data



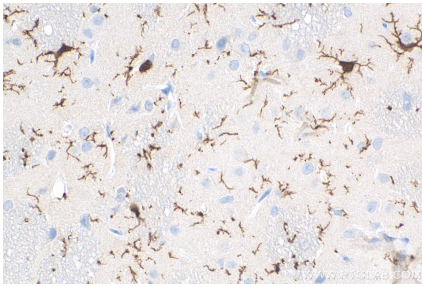
THP-1 cells were subjected to SDS PAGE followed by western blot with 81728-1-RR (IBA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81728-1-PBS in a different storage buffer formulation.



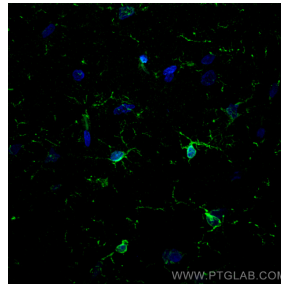
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 81728-1-RR (IBA1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81728-1-PBS in a different storage buffer formulation.



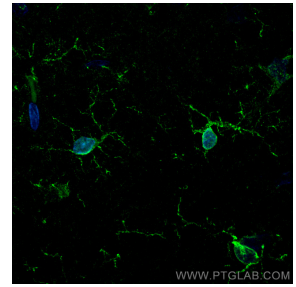
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 81728-1-RR (IBA1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81728-1-PBS in a different storage buffer formulation.



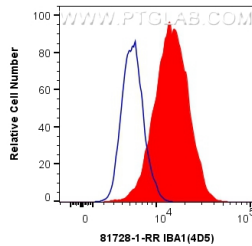
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 81728-1-RR (IBA1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81728-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using IBA1 antibody (81728-1-RR, Clone: 4D5) at dilution of 1:500 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81728-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using IBA1 antibody (81728-1-RR, Clone: 4D5) at dilution of 1:500 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81728-1-PBS in a different storage buffer formulation.



$1 \times 10^6$  THP-1 cells were intracellularly stained with 0.4 ug Anti-Human IBA1 (81728-1-RR, Clone: 4D5) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 81728-1-PBS in a different storage buffer formulation.