

## Anti-AIF1/IBA1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P101075

### Product Information

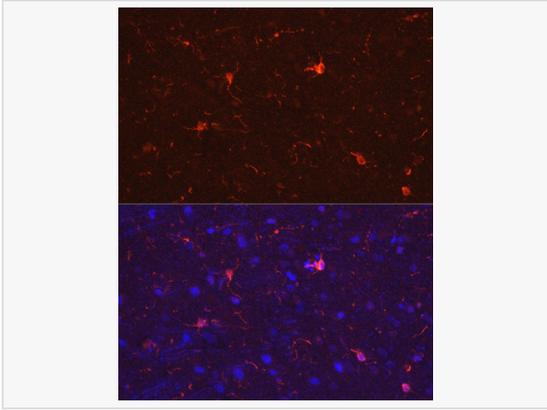
|             |   |
|-------------|---|
| Application | WB, IF (Cell)/ICC, ELISA  |
| Reactivity  | Human, Mouse, Rat   |
| Dilution    | WB 1:1,000~1:5,000; IF 1:50~1:200   |
| Host        | Rabbit  |
| Clonality   | Polyclonal  |
| Isotype     | IgG   |
| Label       | Unconjugated  |
| Immunogen   | Recombinant fusion protein containing a sequence corresponding to amino acids 1-147 of human AIF1/IBA1 (NP_001614.3).       |
| Format      | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.                     |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-AIF1/IBA1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.                 |

### Protein Information

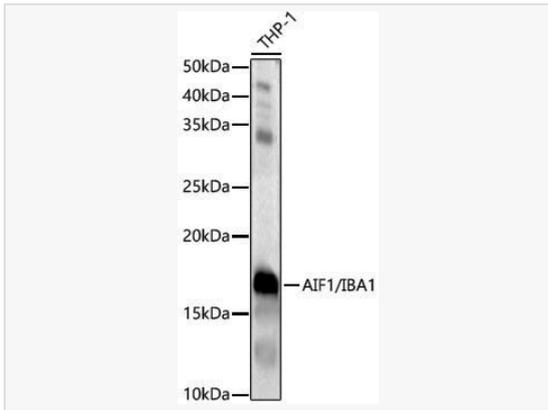
|               |  |
|---------------|--|
| Synonyms      | IBA1; IRT1; AIF-1; IRT-1; AIF1/IBA1.   |
| Calculated MW | Calculated MW: 17 kDa; Observed MW: 17 kDa   |
| Uniprot ID    | P55008   |
| Gene ID       | 199  |
| Background    | This gene encodes a protein that binds actin and calcium. This gene is induced by cytokines and interferon and may promote macrophage activation and growth of vascular smooth muscle cells and T-lymphocytes. Polymorphisms in this gene may be associated with systemic sclerosis. Alternative splicing results in multiple transcript variants, but the full-length and coding nature of some of these variants is not certain. |

## Validation Images

---



Immunofluorescence analysis of paraffin-embedded rat brain using AIF1/IBA1 Rabbit pAb (P101075) at dilution of 1:50 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from THP-1 cells, using AIF1/IBA1 Rabbit pAb (P101075) at 1:2,000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit.

Exposure time: 30s.