



# Iba1 Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                            |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-07027                                                                                                                                                                                                                                |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                        |
| <b>Reactivity</b>                  | Human;Rat;Mouse                                                                                                                                                                                                                            |
| <b>Applications</b>                | WB;IF;ELISA                                                                                                                                                                                                                                |
| <b>Gene Name</b>                   | AIF1 G1 IBA1                                                                                                                                                                                                                               |
| <b>Immunogen</b>                   | Synthesized peptide derived from part region of human protein                                                                                                                                                                              |
| <b>Specificity</b>                 | AIF1 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                             |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                             |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                     |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                      |
| <b>Dilution</b>                    | Western Blot: 1/500 - 1/2000. ELISA: 1/5000. IF 1:100-300 Not yet tested in other applications.                                                                                                                                            |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                    |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                       |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                               |
| <b>Synonyms</b>                    | AIF1;AIF 1;AIF-1;allograft inflammatory factor 1;G1;AIF1 G1 IBA1;Allograft inflammatory factor 1 (AIF-1) (Ionized calcium-binding adapter molecule 1) (Protein G1)                                                                         |
| <b>Observed Band</b>               | 16kD                                                                                                                                                                                                                                       |
| <b>Calculated Molecular Weight</b> | 16kD                                                                                                                                                                                                                                       |
| <b>Cell Pathway</b>                | Cytoplasm, cytoskeleton . Cell projection, ruffle membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection, phagocytic cup . Associated with the actin cytoskeleton at membrane ruffles and at sites of phagocytosis. . |
| <b>Tissue Specificity</b>          | Detected in T-lymphocytes and peripheral blood mononuclear cells.                                                                                                                                                                          |
| <b>Function</b>                    | function:May play a role in macrophage activation and function., PTM:Phosphorylated on serine residues.,similarity:Contains 2 EF-hand domains.,                                                                                            |
| <b>Background</b>                  | 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. [provided by RefSeq, Jan 2016],

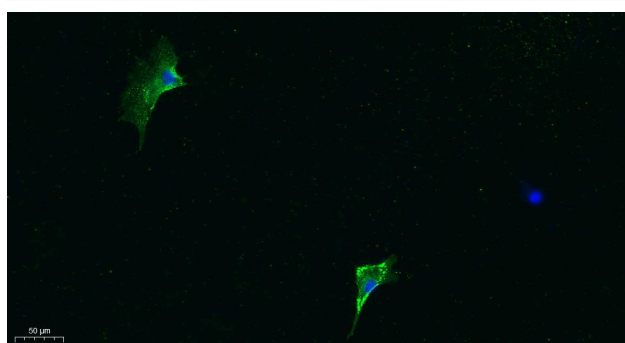
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Immunofluorescence analysis of A549. 1, primary Antibody was diluted at 1:200 (4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min.

Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4°C overnight

