AIF1/IBA1 Rabbit PolymAb®

Catalog NO.: A22530PM

Basic Information

Observed MW
17kDa

Calculated MW
17kDa

Category
Monoclonal Antibodies

Applications
WB, IF-P, IHC-P, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

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.

Recommended Dilutions

WB	1:500 - 1:1000
IF-P	1:50 - 1:200
IHC-P	1:1000 - 1:5000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
199

Swiss Prot
P55008

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
IBA1; IRT1; AIF-1; IRT-1

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

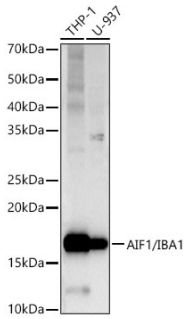
Source
Rabbit

Isotype
IgG

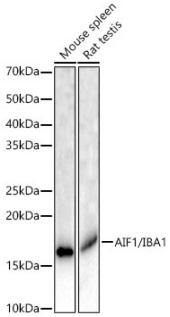
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

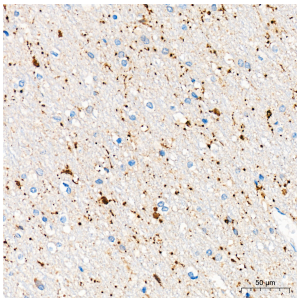
Validation Data

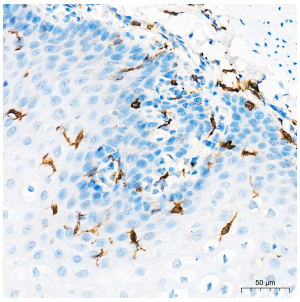


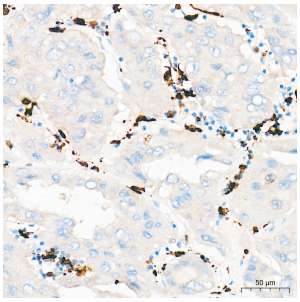
Western blot analysis of various lysates, using AIF1/IBA1 Rabbit PolymAb® (A22530PM) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



Western blot analysis of various lysates, using AIF1/IBA1 Rabbit PolymAb® (A22530PM) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.





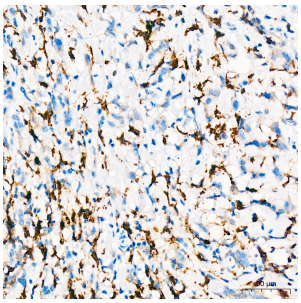


Immunohistochemistry analysis of paraffin-embedded Human brain tissue using AIF1/IBA1 Rabbit PolymAb® (A22530PM) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

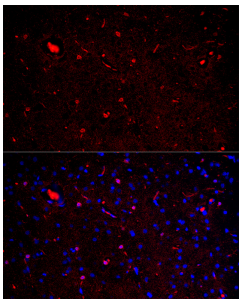
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using AIF1/IBA1 Rabbit PolymAb® (A22530PM) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using AIF1/IBA1 Rabbit PolymAb® (A22530PM) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human breast tissue using AIF1/IBA1 Rabbit PolymAb® (A22530PM) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of paraffin-embedded rat brain using AIF1/IBA1 Rabbit PolymAb® (A22530PM) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

For research use only. Not for therapeutic or diagnostic purposes.

Please visit **https://abclonal.com** for a complete list of recommended products.