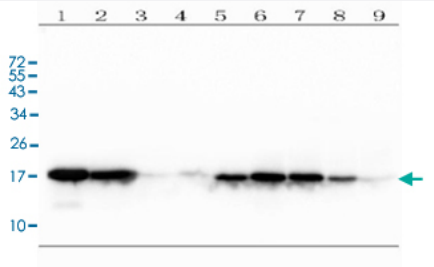
AIF1 monoclonal antibody, clone AEBB-1

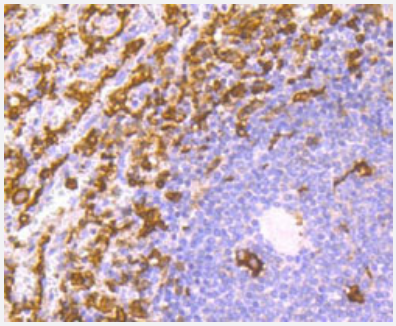
Catalog # MAB22142 Size 100 uL

Applications



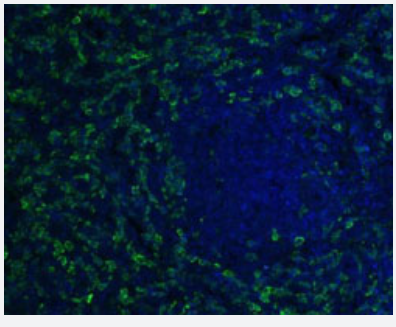
Western Blot

Western blot analysis of Lane 1: human THP-1 cell lysates, Lane 2: human U-937 cell lysates, Lane 3: human HL-60 cell lysates, Lane 4: mouse brain tissue lysates, Lane 5: rat thymus tissue lysates, Lane 6: rat spleen tissue lysates, Lane 7: mouse spleen tissue lysates, Lane 8: mouse thymus tissue lysates, Lane 9: mouse RAW246.7 tissue lysates.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human spleen tissue using AIF1 monoclonal antibody, clone AEBB-1. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes.The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the AIF1 monoclonal antibody, clone AEBB-1 for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunofluorescence

Immunofluorescence staining of paraffin- embedded human spleen tissue using AIF1 monoclonal antibody, clone AEBB-1. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. (sodium citrate buffer (pH6) for 20 mins.) The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with AIF1 monoclonal antibody, clone AEBB-1 at 1/50 dilution for 10 hours at 4°C and detected using Alexa Fluor 488 conjugate-Goat anti-Rabbit IgG (H+L) Secondary Antibody at a dilution of 1:500 for 1 hour at room temperature.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human AIF1.
Immunogen	A synthetic peptide corresponding to human AIF1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	The antibody reacts with human, mouse, rat AIF1, in native form and recombinant. Superfamily members of AIF1 are not reactive to this antibody.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:100-1:500) Immunoprecipitation (1:50) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

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- Immunocytochemistry

- Immunofluorescence

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- Immunoprecipitation

Gene Info — AIF1

Entrez GeneID	199
Protein Accession#	P55008
Gene Name	AIF1
Gene Alias	AIF-1, IBA1, IRT-1
Gene Description	allograft inflammatory factor 1
Omim ID	601833
Gene Ontology	Hyperlink
Gene Summary	This gene is induced by cytokines and interferon. Its protein product is thought to be involved in negative regulation of growth of vascular smooth muscle cells, which contributes to the anti-inflammatory response to vessel wall trauma. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000029354|OTTHUMP00000029356|interferon gamma responsive transcript|ionized calcium-binding adapter molecule

Disease

- Abortion
- Alzheimer disease
- Arthritis
- Autoimmune Diseases
- Cerebral Amyloid Angiopathy
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Lupus Erythematosus
- Malaria
- Neuroblastoma
- Osteoarthritis
- Scleroderma