

Datasheet for ABIN6939298
anti-Iba1 antibody (AA 1-146)

5 Images

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Overview

Quantity:	100 µg
Target:	Iba1 (IBA1)
Binding Specificity:	AA 1-146
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Iba1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Purified fragment of human recombinant AIF1 protein (around aa 1-146) (exact sequence is proprietary)
Clone:	AIF1-1909
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Iba1 (IBA1)
Alternative Name:	AIF1 (IBA1 Products)
Background:	AIF1 is a cytoplasmic, calcium-binding protein that is thought to play a role in macrophage

Target Details

activation and function. AIF1, containing two EF domains, is induced by cytokines and Interferons. In an unstimulated state, AIF1 colocalizes with actin, and upon stimulation, translocates to lamellipodia. It is also a marker of human microglia and is expressed by macrophages in injured skeletal muscle. The gene encoding AIF1 resides in the tumor necrosis factor (TNF) cluster of genes, located in the region represented by the human major histocompatibility complex (MHC).

Molecular Weight: 17kDa

Gene ID: 199

UniProt: [P55008](#)

Pathways: [Smooth Muscle Cell Migration](#)

Application Details

Application Notes: Positive Control: Lymph Node, Tonsil or Kidney.
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

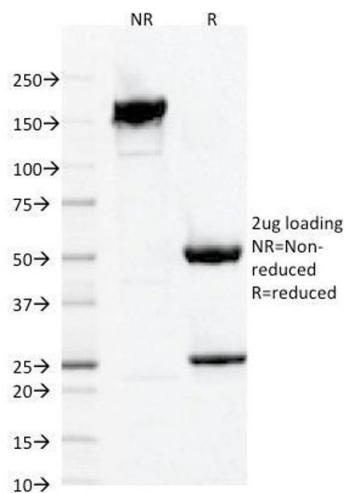
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

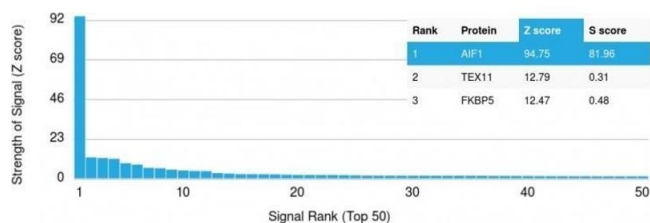
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



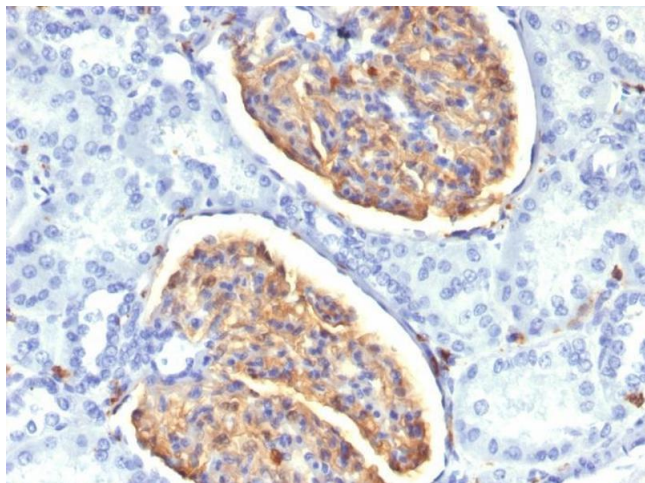
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified AIF1 / Iba1 Mouse Monoclonal Antibody (AIF1/1909). Confirmation of Integrity and Purity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using AIF1 Mouse Monoclonal Antibody (AIF1/1909) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Kidney stained with AIF1 / Iba1 Mouse Monoclonal Antibody (AIF1/1909).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939298.