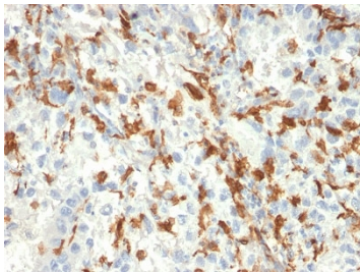
AIF1 Antibody / IBA1 [clone AIF1/2493] (V3809)

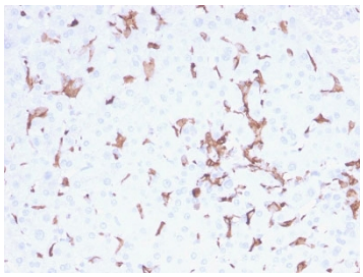
Catalog No.	Formulation	Size
V3809-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3809-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3809SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

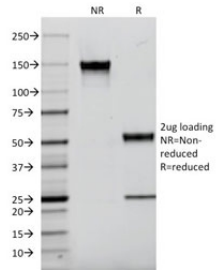
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2c, kappa
Clone Name	AIF1/2493
Purity	Protein G affinity chromatography
UniProt	P55008
Localization	Cytoplasmic, membranous
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This AIF1 antibody is available for research use only.



IHC testing of FFPE human kidney tissue with AIF1 antibody (clone AIF1/2493). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human spleen tissue with AIF1 antibody (clone AIF1/2493). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free AIF1 antibody (clone AIF1/2493) as confirmation of integrity and purity.

Description

AIF1 (Allograft inflammatory factor 1), also called IBA1 (Ionized calcium-binding adapter molecule 1) is a cytoplasmic, calcium-binding protein that is thought to play a role in macrophage activation and function. AIF1/IBA1, containing two EF domains, is induced by cytokines and Interferons. In an unstimulated state, it 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 the protein resides in the tumor necrosis factor (TNF) cluster of genes, located in the region represented by the human major histocompatibility complex (MHC).

Application Notes

Titering of the AIF1 antibody may be required for optimal performance.

Immunogen

A portion of amino acids 1-146 from the human protein was used as the immunogen for the AIF1 antibody.

Storage

Store the AIF1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com