Recombinant AIF1 / Iba1 (Microglia Marker) Antibody

Rabbit Monoclonal Antibody [Clone AIF1/8970R]

Catalog No	Format	Size
199-RBM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
199-RBM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
199-RBM5-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

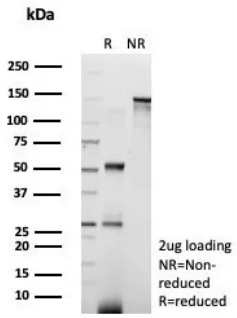
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

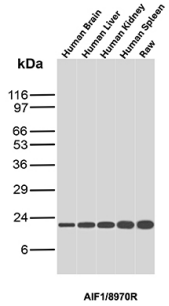
Clone	AIF1/8970R
Immunogen	Recombinant fragment (around aa1-146) of the human AIF1 (Allograft Inflammatory Factor-1) (or IBA1) protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	16.7kDa
Cellular Localization	Cell projection, Cytoplasm, Cytoskeleton, Phagocytic cup, Ruffle membrane
Species Reactivity	Human
Positive Control	Human lymph node|tonsil or kidney. Human Brain, Human Liver, Human Spleen and Raw

**Optimal dilution for a specific application should be determined.*

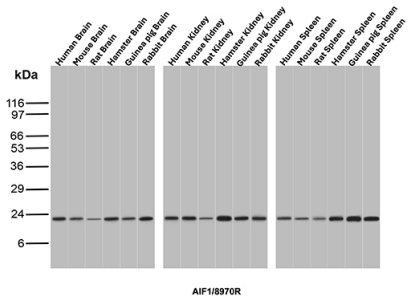
Product Images for Recombinant AIF1 / Iba1 (Microglia Marker) Antibody



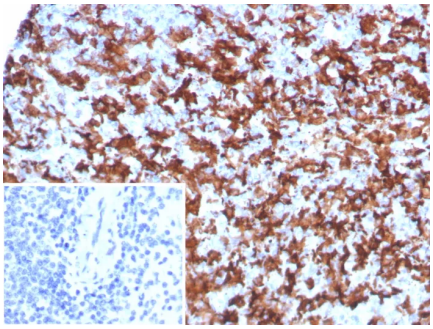
SDS-PAGE Analysis of Purified AIF1 / Iba1 Recombinant Rabbit Monoclonal Antibody (AIF1/8970R). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Brain, Human Liver, Human Kidney, Human Spleen and Raw lysates using AIF1 Rabbit Recombinant Monoclonal Antibody (AIF1/8970R).



Western Blot Analysis of Brain, Kidney and Spleen tissue lysates of different species using AIF1 Rabbit Recombinant Monoclonal Antibody (AIF1/8970R).



Formalin-fixed, paraffin-embedded human spleen stained with AIF1 / Iba1 Recombinant Rabbit Monoclonal Antibody (AIF1/8970R). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

AIF1 is a cytoplasmic, calcium-binding protein that is thought to play a role in macrophage 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).

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.