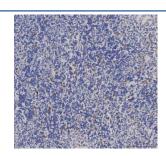


IBA1 Antibody / AIF-1 (R32736)

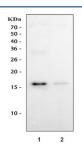
Catalog No.	Formulation	Size
R32736	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P55008
Localization	Cytoplasmic, membranous
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This IBA1 antibody is available for research use only.



IHC testing of FFPE human spleen tissue with IBA1 antibody. Required HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to testing.



Western blot testing of human 1) HEL and 2) ThP-1 cell lysate with IBA1 antibody. Predicted molecular weight ~17 kDa.

Description

Allograft inflammatory factor 1 (AIF-1), also known as ionized calcium-binding adapter molecule 1 (IBA1), is a protein that in humans is encoded by the AIF1 gene. This gene encodes a protein that binds actin and calcium. And 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.

Application Notes

Optimal dilution of the IBA1 antibody should be determined by the researcher.

Immunogen

Amino acids 99-133 (ETFSYPDFLRMMLGKRSAILKMILMYEEKAREKEK) from the human protein were used as the immunogen for the IBA1 antibody.

Storage

After reconstitution, the IBA1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.