

Basic Information

Product Name	Anti-IBA1/AIF1 Antibody	
Gene Name	AIF1	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	IHC, IF	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	Recombinant protein (Escherichia coli)	
Concentration	500 ug/ml	
Dilution Ratios	Immunohistochemistry (IHC): Immunofluorescence (IF): (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	1:50-400 1:50-400

Storage

12 months from date of receipt, -20°C as supplied.

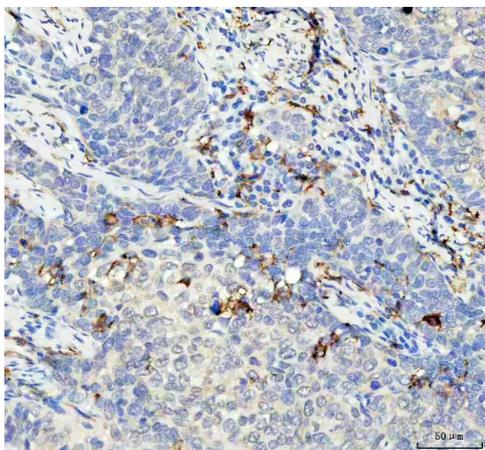
Background Information

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.

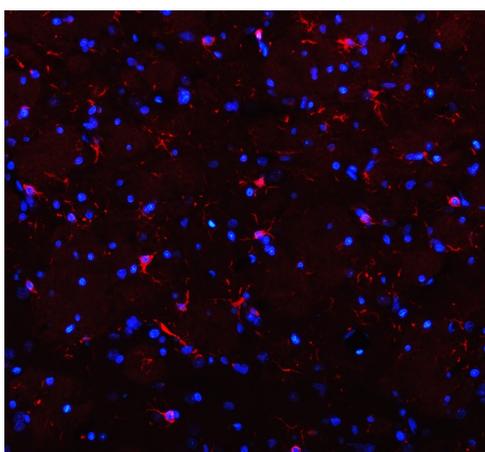
Reference

Anti-IBA1/AIF1 Antibody被引用在21文献中。

Selected Validation Data



IHC analysis of IBA1/AIF1 using anti-IBA1/AIF1 antibody (PB0517). IBA1/AIF1 was detected in a paraffin-embedded section of human cervix squamous carcinoma tissue. The tissue section was incubated with rabbit anti-IBA1/AIF1 Antibody (PB0517) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.



IF analysis of IBA1/AIF1 using anti-IBA1/AIF1 antibody (PB0517). IBA1/AIF1 was detected in a paraffin-embedded section of rat brain tissue. The tissue section was incubated with rabbit anti-IBA1/AIF1 Antibody (PB0517) at a dilution of 1:100. Fluoro550-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1135) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).