

Anti-Iba1 Antibody (4F442)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	4F442
Purification:	Protein A

Applications

Verified Activity:	1. Anti-AIF1 rabbit monoclonal antibody at 1:500 dilution. -Lane A: THP-1 Whole Cell Lysate. -Lane B: HL-60 Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary -Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. -Developed using the Odyssey technique. -Performed under reducing conditions. -Predicted band size:17 kDa. -Observed band size:15 kDa.
	2. AIF1 was immunoprecipitated using: -Lane A:0.5 mg HepG2 Whole Cell Lysate. -Lane B:0.5 mg THP-1 Whole Cell Lysate. -2 µL anti-AIF1 rabbit monoclonal antibody and 15 µL of 50 % Protein G agarose. -Primary antibody: -Anti-AIF1 rabbit monoclonal antibody, at 1:100 dilution. -Secondary antibody: -Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. -Developed using the odyssey technique. -Performed under reducing conditions. -Predicted band size: 17 kDa. -Observed band size: 17 kDa
Application:	ELISA,IP,WB
Recommended	WB: 1:500-1:2000; ELISA: 1:5000-1:10000; IP: 1-4 µL/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human IBA1 / AIF1 Protein (TMPY-03337)
Antigen Species: Human
Synonyms: IRT-1;AIF-1;IRT1;allograft inflammatory factor 1;IBA1
Biology Area: Calcium-binding Proteins and Related Molecules

Research Background

AIF1, also known as IBA1, is an actin-binding protein. AIF1 is expressed selectively in human macrophage-like cell lines, and in a subset of CD68(+) macrophages in the interstitial and perivascular spaces of human heart allografts. It is expressed in macrophages and neutrophils. AIF1 enhances membrane ruffling and RAC activation. AIF1 enhances the actin-bundling activity of LCP1. It also enhances lymphocyte migration. AIF1 may play a role in macrophage activation and function. It binds calcium and plays a role in RAC signaling and in phagocytosis. It promotes the proliferation of vascular smooth muscle cells and of T-lymphocytes.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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