

Basic Information

Product Name	Anti-RAB23 Antibody	
Gene Name	RAB23	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, FCM, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived human RAB23 recombinant protein (Position: K22-K168).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	27 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Flow Cytometry (Fixed):	1:50-200
	Enzyme linked immunosorbent assay (ELISA):	1:100-1000

Storage

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

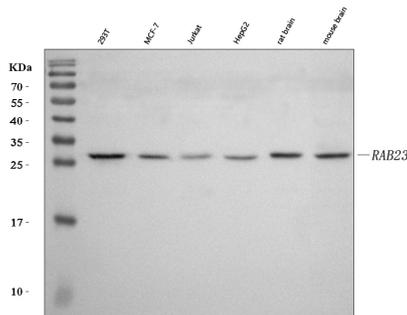
Background Information

Ras-related protein Rab-23 is a protein that in humans is encoded by the RAB23 gene. This gene encodes a small GTPase of the Ras superfamily. Rab proteins are involved in the regulation of diverse cellular functions associated with intracellular membrane trafficking, including autophagy and immune response to bacterial infection. The encoded protein may play a role in central nervous system development by antagonizing sonic hedgehog signaling. Disruption of this gene has been implicated in Carpenter syndrome as well as cancer. Alternative splicing results in multiple transcript variants.

Reference

Anti-RAB23 Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of RAB23 using anti-RAB23 antibody

(A04593-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: 293T whole cell lysates,

Lane 2: MCF-7 whole cell lysates,

Lane 3: Jurkat whole cell lysates,

Lane 4: HepG2 whole cell lysates,

Lane 5: rat brain tissue lysates,

Lane 6: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-RAB23 antigen

affinity purified polyclonal antibody (A04593-2) at a dilution of

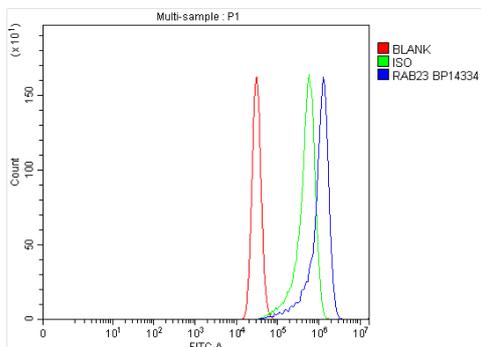
1:1000 and probed with a goat anti-rabbit IgG-HRP secondary

antibody (Catalog # BA1054). The signal is developed using ECL Plus

Western Blotting Substrate (Catalog # AR1197). A specific band was

detected for RAB23 at approximately 27 kDa. The expected band

size for RAB23 is at 27 kDa.



Flow Cytometry analysis of MCF-7 cells using anti-RAB23 antibody (A04593-2).

Overlay histogram showing MCF-7 cells stained with A04593-2 (Blue

line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer.

The cells were blocked with 10% normal goat serum. And then

incubated with rabbit anti-RAB23 Antibody (A04593-2) at 1:100

dilution for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit

IgG (BA1127) was used as secondary antibody at 1:100 dilution for

30 minutes at 20°C. Isotype control antibody (Green line) was rabbit

IgG at 1:100 dilution used under the same conditions. Unlabelled

sample without incubation with primary antibody and secondary

antibody (Red line) was used as a blank control.

Product datasheet

Anti-RAB23 Antibody

Catalog Number: **A04593-2**



antibody and ELISA experts

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