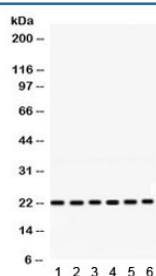


RAB10 Antibody (R32155)

Catalog No.	Formulation	Size
R32155	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P61026
Applications	Western Blot : 0.1-0.5ug/ml
Limitations	This RAB10 antibody is available for research use only.



Western blot testing of 1) rat brain, 2) mouse thymus, 3) mouse brain, 4) human HeLa, 5) MCF7 and 6) COLO320 lysate with RAB10 antibody. Expected/observed molecular weight ~22 kDa.

Description

Ras-related protein Rab-10 is a protein that in humans is encoded by the RAB10 gene. RAB10 belongs to the RAS superfamily of small GTPases. And RAB proteins localize to exocytic and endocytic compartments and regulate intracellular vesicle trafficking. The RAB10 gene is mapped to chromosome 2p23.1-p22.3 by radiation hybrid analysis. It was found that the purified recombinant GAP domain of human AS160 showed GAP activity with RAB2A, RAB8A, RAB10, and RAB14, but not with 14 other RABs. Immunoblot analysis showed that these RABs associated with Glut4-positive vesicles in mouse adipocytes. Thereby, it concluded that AK160 functions as a RAB GAP and that RABs may participate in GLUT4 translocation.

Application Notes

Optimal dilution of the RAB10 antibody should be determined by the researcher.

Immunogen

Amino acids AKANINIEKAFLTLAEDILRKTPVKEPNSENV D of human RAB10 were used as the immunogen for the RAB10 antibody.

Storage

After reconstitution, the RAB10 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.