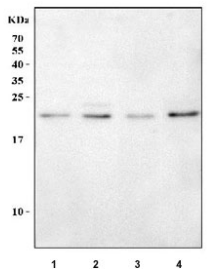
RAB7A Antibody (RQ8291)

Catalog No.	Formulation	Size
RQ8291	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 purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P51149
Applications	Western blot: 0.5-1ug/ml ELISA: 0.1-0.5ug/ml
Limitations	This RAB7A antibody is available for research use only.



Western blot testing of 1) human U-87 MG, 2) human HEL, 3) rat L6 and 4) mouse C2C12 cell lysate with RAB7A antibody. Predicted molecular weight ~23 kDa.

Description

Ras-related protein Rab-7a is a protein that in humans is encoded by the RAB7A gene. RAB7A functions as a key regulator in endo-lysosomal trafficking, governs early-to-late endosomal maturation, microtubule minus-end as well as plus-end directed endosomal migration and positions, and endosome-lysosome transport through different protein-protein interaction cascades. Furthermore, RAB7A is involved in regulation of some specialized endosomal membrane trafficking, such as maturation of melanosomes through modulation of SOX10 and the oncogene MYC. Mutations in the lysosomal pathway result in tumor progression in melanoma cells.

Application Notes

Optimal dilution of the RAB7A antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (A156-R197) was used as the immunogen for the RAB7A antibody.

Storage

After reconstitution, the RAB7A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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