



Rab7

Catalog number

R0008-41

Supplier

United States Biological

Rab7 and Rab9 are members of the Ras superfamily of small Rab GTPases (1). Both proteins are located in late endosomes but exert different functions. Rab7 associates with the RIPL effector protein to control membrane trafficking from early to late endosome and to lysosomes (2,3). Rab7 also helps to regulate growth receptor endocytic trafficking and degradation (3,4), and maturation of phagosome and autophagic vacuoles (4-6). Rab9 interacts with its effector proteins p40 and TIP47 (7,8) to promote the MPRs (mannose 6-phosphate receptors)-associated lysosome enzyme transport between late endosomes and the trans Golgi network (9,10).

Applications:

Suitable for use in Western Blot. Other applications not tested.

Recommended Dilution

Western Blot: 1:1000

Optimal dilutions to be determined by the researcher.

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Synthetic peptide corresponding to residues surrounding Asp193 of human Rab7.

Formulation

Supplied as a liquid in 10mM sodium HEPES, pH 7.5, 150mM sodium chloride, 0.1mg/ml BSA, 50% glycerol.

Purity

Purified by peptide affinity chromatography.

Specificity

Recognizes endogenous levels of total human Rab7 protein. Species Crossreactivity: mouse and rat.

Product Type

Pab

Source

human

Isotype



IgG

Grade

Affinity Purified

Applications

WB

Crossreactivity

Hu Mo Rt

Storage

-20°C

MW

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Reference

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