



Rabbit Anti-RAB7A monoclonal antibody, clone TO313-14 (CABT-L767)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	RAB7
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TO313-14
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, FC
Molecular Weight	23 kDa
Cellular Localization	Cytoplasmic vesicle, Lysosome membrane, Melanosome membrane, Lipid droplet, .
Positive Control	A431, C2C12, Hela, HepG2, SW480, mouse kidney tissue, human colon cancer tissue, human kidney tissue, mouse skeletal muscle tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	<p>The Ras-related superfamily of guanine nucleotide binding proteins, which includes the Ral/Rec, Rap, R-Ras, and Rho/Rab subfamilies, exhibit 30-60% homology with Ras p21. Accumulating data suggests an important role for Rab proteins, either in endocytosis or in biosynthetic protein transport. The transport of newly synthesized proteins from the endoplasmic reticulum to various stacks of the Golgi complex and to secretory vesicles involves at each stage the movement of carrier vesicles, a process that appears to involve Rab protein function. The possibility that Rab proteins might also direct the exocytosis from secretory vesicles to the plasma membrane is supported by the observation that in yeast, the Sec4 protein, which is 40% homologous to Rab proteins, is associated with secretory vesicles. Several members of the Rab subfamily have been identified, each of which is found at a particular stage of a membrane transport pathway.</p>
Keywords	<p>CMT2B;PRO2706;PSN;RAB7, member RAS oncogene family;RAB7A;RAB7A, member RAS oncogene family;RAB7A_HUMAN;Ras associated protein RAB7;Ras related protein Rab7;Ras related protein Rab7a;Ras-related protein Rab-7a antibody</p>