

RAB13 rabbit pAb**Cat#: orb772986 (Manual)**

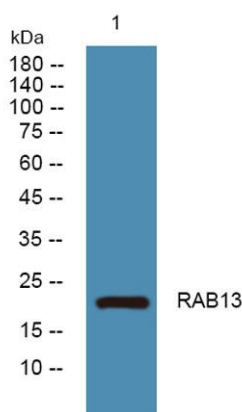
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Product Name	RAB13 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	WB 1:500-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from human protein . at AA range: 40-120
Specificity	RAB13 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Ras-related protein Rab-13 (Cell growth-inhibiting gene 4 protein)
Gene Name	RAB13 GIG4
Cellular localization	Cell membrane ; Lipid-anchor ; Cytoplasmic side . Cytoplasmic vesicle membrane ; Lipid-anchor ; Cytoplasmic side . Cell junction, tight junction . Golgi apparatus, trans-Golgi network membrane . Recycling endosome membrane . Cell projection, lamellipodium . Tight junctions or associated with vesicles scattered throughout the cytoplasm in cells lacking tight junctions (PubMed:8294494). Relocalizes to the leading edge of lamellipodia in migrating endothelial cells (By similarity). .

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	22kD
Human Gene ID	5872
Human Swiss-Prot Number	P51153
Alternative Names	

Background

This gene is a member of the Rab family of small G proteins and plays a role in regulating membrane trafficking between trans-Golgi network (TGN) and recycling endosomes (RE). The encoded protein is involved in the assembly of tight junctions, which are components of the apical junctional complex (AJC) of epithelial cells. The AJC plays a role in forming a barrier between luminal contents and the underlying tissue. Additional functions associated with the protein include endocytic recycling of occludin, regulation of epithelial cell scattering, neuronal regeneration and regulation of neurite outgrowth. Alternately spliced transcript variants have been observed for this gene. A pseudogene associated with this gene is located on chromosome 12. [provided by RefSeq, Jan 2013],



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night