

# Immunotag™ RAB13 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1165
Product Description	Immunotag™ RAB13 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RAB13
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Rat,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein, at AA range: 40-120
Specificity	RAB13 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	RAB13 GIG4
Accession No.	P51153 Q9DD03 P35286

## Antibody Specification

Description	RAB13, member RAS oncogene family(RAB13) Homo sapiens 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],
Cell Pathway/ Category	Tight junction,
Protein Expression	Brain,Ovary,Placenta,PNS,Skin,
Subcellular Localization	intracellular,cytoplasm,Golgi apparatus,trans-Golgi network,plasma membrane,bicellular tight junction,lateral plasma membrane,lamellipodium,endocytic vesicle,cytoplasmic vesicle membrane,cytoplasmic vesicle,insul
Protein Function	function:Could participate in polarized transport, in the assembly and/or the activity of tight junctions.,similarity:Belongs to the small GTPase superfamily. Rab family.,subcellular location:Cytoplasmic tight junctions or associated with vesicles scattered throughout the cytoplasm in cells lacking tight junctions.,tissue specificity:Detected in several types of epithelia, including intestine, kidney, liver and in endothelial cells.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.