

RAB13 Polyclonal Antibody | anti-RAB13 antibody

Anti-RAB13 Antibody

CATALOG # AAA46539	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

RAB13; Polyclonal Antibody; Anti-RAB13 Antibody; Ras-related protein Rab-13; Cell growth-inhibiting gene 4 protein; GIG4; Growth inhibiting gene 4 protein; RAB13 member RAS oncogene family; RAB13_HUMAN; RAS associated protein RAB13; Ras related protein Rab13; member RAS oncogene family; anti-RAB13 antibody

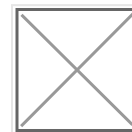
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	122
Applicable Applications for anti-RAB13 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human RAB13 (121-150aa NKCDMEAKRKVQKEQADKLAREHGIRFFET), different from the related mouse and rat sequences by four amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

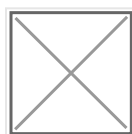
IMAGES


IHC (Immunohistochemisry)

Anti- RAB13 Picoband antibody, AAA46539, IHC(P)IHC(P): Rat Intestine Tissue


IHC (Immunohiostchemistry)

Anti- RAB13 Picoband antibody, AAA46539, IHC(P)IHC(P): Mouse Intestine Tissue


WB (Western Blot)

Anti- RAB13 Picoband antibody, AAA46539, Western blotting All lanes: Anti RAB13 (AAA46539) at 0.5ug/ml Lane 1: Rat Kidney Tissue Lysate at 50ug Lane 2: HELA Whole Cell Lysate at 40ug Lane 3: HEPG2 Whole Cell Lysate at 40ug Predicted bind size: 23KD, 45KD Observed bind size: 23KD, 45KD

ADDITIONAL INFORMATION

Related Product Information for anti-RAB13 antibody	Description: Rabbit IgG polyclonal antibody for Ras-related protein Rab-13(RAB13) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Ras-related protein Rab-13 is a protein that in humans is encoded by the RAB13 gene. 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.
References	1. "Entrez Gene: RAB13 RAB13, member RAS oncogene family". 2. Zahraoui A, Joberty G, Arpin M, Fontaine JJ, Hellio R, Tavitian A, Louvard D (Feb 1994). "A small rab GTPase is distributed in cytoplasmic vesicles in non polarized cells but colocalizes with the tight junction marker ZO-1 in polarized epithelial cells". J Cell Biol 124 (1-2): 101-15.

NCBI AND UNIPROT INFORMATION

NCBI GI #	440309849
NCBI GeneID	5872
NCBI Accession #	NP_001258967.1
NCBI GenBank Nucleotide #	NM_001272038.1
UniProt Accession #	P51153; Q5U0A6; Q6GPG6; Q96GU4; A8K6B5; D3DV67
Molecular Weight	22,774 Da
NCBI Official Full Name	ras-related protein Rab-13 isoform 2
NCBI Official Synonym Full Names	RAB13, member RAS oncogene family
NCBI Official Symbol	RAB13
NCBI Official Synonym Symbols	GIG4
NCBI Protein Information	ras-related protein Rab-13
UniProt Protein Name	Ras-related protein Rab-13
UniProt Gene Name	RAB13
UniProt Entry Name	RAB13_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.