

## Anti-RAB13 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

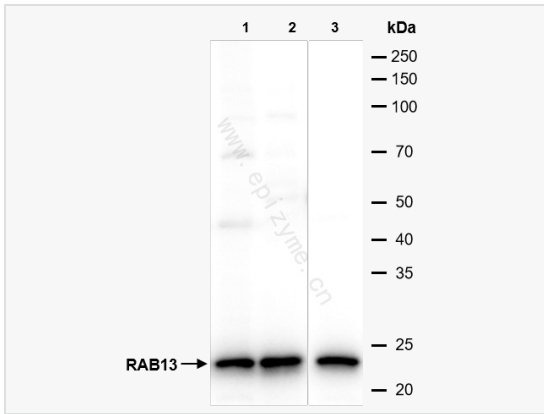
Catalog # R013922

### Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	44L38A36
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human RAB13
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-RAB13 Rabbit mAb [44L38A36] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Cell growth-inhibiting gene 4 protein, GIG4, Growth inhibiting gene 4 protein, RAB13, RAB13 member RAS oncogene family, RAB13_HUMAN, RAS associated protein RAB13, Ras related protein Rab13, Ras-related protein Rab-13.
Calculated MW	Calculated MW: 23 kDa; Observed MW: 23 kDa
Uniprot ID	P51153
Gene ID	5872
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]
Cellular Location	Cell junction > tight junction. Cell membrane. Cytoplasmic vesicle membrane. Cytoplasmic tight junctions or associated with vesicles scattered throughout the cytoplasm in cells lacking tight junctions.
Tissue Location	Detected in several types of epithelia, including intestine, kidney, liver and in endothelial cells.



Western Blot - Anti-RAB13 Rabbit mAb [44L38A36]

All lanes: R013922 at 1:1,000 dilution

Lane 1: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 2: MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 3: 293T (Human embryonic kidney cell) whole cell lysates

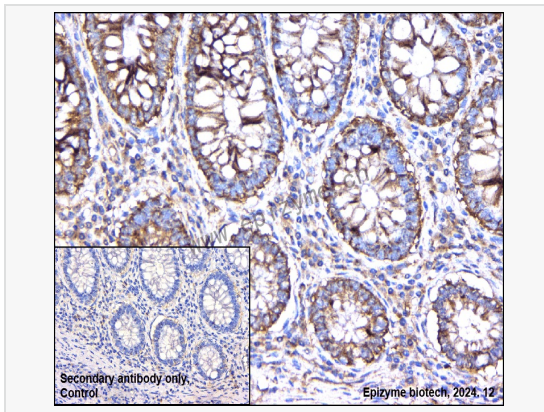
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 23 kDa

Observed band size: 23 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-RAB13 Rabbit mAb [44L38A36]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013922 at 1:200 dilution

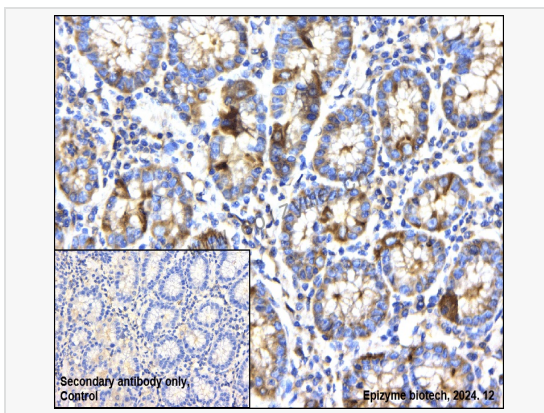
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-RAB13 Rabbit mAb [44L38A36]

Sample: Paraformaldehyde-fixed, paraffin embedded human gastric cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013922 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.