

## Anti-GRASP65 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

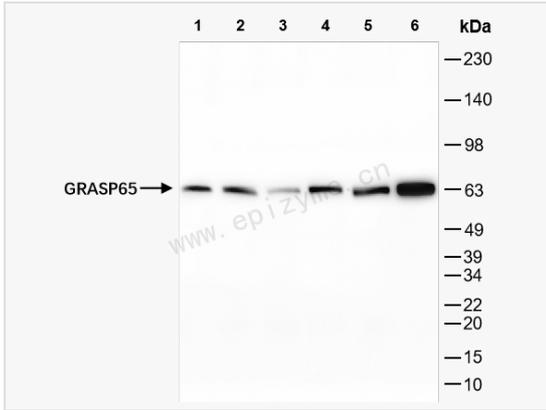
Catalog # R015670

### Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
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.	54F77B54
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human GRASP65
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-GRASP65 Rabbit mAb [54F77B54] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	FLJ23443; Golgi peripheral membrane protein p65; Golgi phosphoprotein 5; Golgi reassembly and stacking protein 1; Golgi reassembly and stacking protein 65 kDa; Golgi reassembly and stacking protein, 65-kD; Golgi reassembly stacking protein 1 65kDa; Golgi reassembly stacking protein 1; Golgi reassembly stacking protein of 65 kDa; Golgi reassembly-stacking protein 1; Golgi reassembly-stacking protein of 65 kDa; GOLPH 5; GOLPH5; Gorasp 1; GORASP1; GORS1_HUMAN; GRASP 65; GRASP65; MGC118894; MGC118897; P65.
Calculated MW	Calculated MW: 46 kDa; Observed MW: 65 kDa
Uniprot ID	Q9BQQ3
Gene ID	64689
Background	The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. The protein encoded by this gene is a membrane protein involved in establishing the stacked structure of the Golgi apparatus. It is a caspase-3 substrate, and cleavage of this encoded protein contributes to Golgi fragmentation in apoptosis. This encoded protein can form a complex with the Golgi matrix protein GOLGA2, and this complex binds to the vesicle docking protein p115. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]
Cellular Location	Golgi apparatus > cis-Golgi network membrane. Undergoes rapid exchange with the cytosol.



Western Blot - Anti-GRASP65 Rabbit mAb [54F77B54]

All lanes: R015670 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

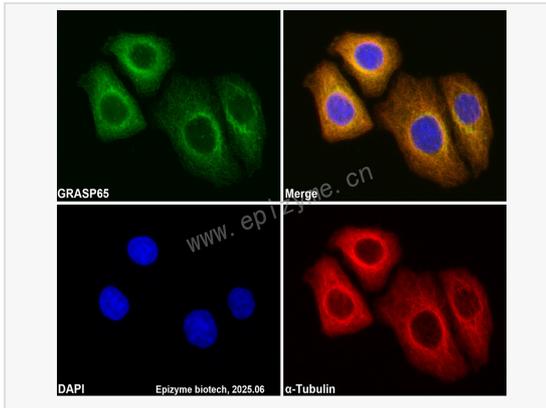
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 46 kDa

Observed band size: 65 kDa

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



Immunofluorescence - Anti-GRASP65 Rabbit mAb [54F77B54]

Sample: HeLa cells

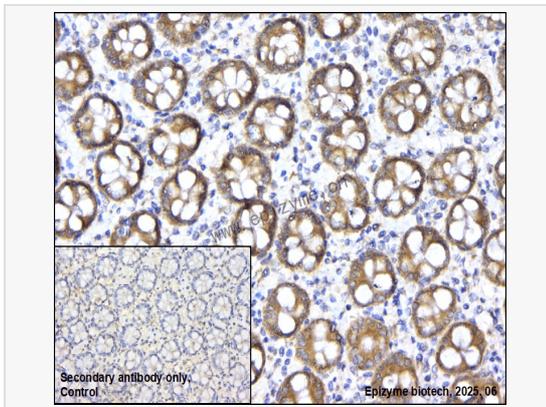
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015670 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal

Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (CY3) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-GRASP65 Rabbit mAb [54F77B54]

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: R015670 at 1:200 dilution

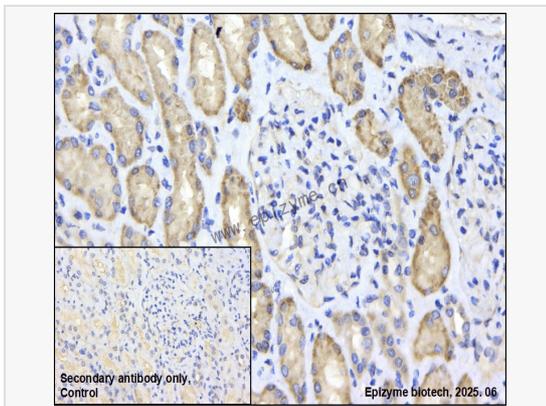
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-GRASP65 Rabbit mAb [54F77B54]

Sample: Paraformaldehyde-fixed, paraffin embedded human renal carcinoma tissue

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

Primary antibody: R015670 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.