

## Anti-SAP97 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

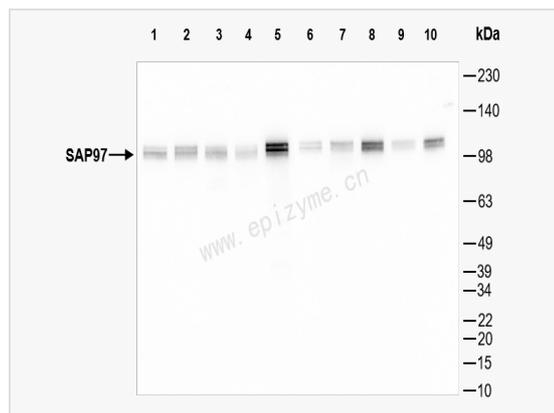
Catalog # R015016

### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	82B13I47
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human SAP97
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-SAP97 Rabbit mAb [82B13I47] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Discs large homolog 1, discs large, Drosophila, homolog of, 1, discs, large homolog 1 (Drosophila), Disks large homolog 1, dJ1061C18.1.1, DKFZp761P0818, DKFZp781B0426, DLG 1, DLG1, DLG1_HUMAN, DLGH 1, DLGH1, hDlg, Presynaptic protein SAP97, SAP 97, SAP-97, SAP97, Synapse associated protein 97, Synapse-associated protein 97.
Calculated MW	Calculated MW: 100 kDa; Observed MW: 100 kDa
Uniprot ID	Q12959
Gene ID	1739
Background	This gene encodes a multi-domain scaffolding protein that is required for normal development. This protein may have a role in septate junction formation, signal transduction, cell proliferation, synaptogenesis and lymphocyte activation. A multitude of transcript variants deriving from alternative splicing and the use of multiple alternate promoter have been observed, including some splice variants that may be specific to brain and other tissues. An upstream uORF may regulate translation at some splice variants of this gene. [provided by RefSeq, Sep 2018]
Cellular Location	Membrane. Basolateral cell membrane. Endoplasmic reticulum membrane. Cell junction, synapse, postsynaptic cell membrane, postsynaptic density. Cell junction, synapse. Cell membrane, sarcolemma. Colocalizes with EPB41 at regions of intercellular contacts. Basolateral in epithelial cells. May also associate with endoplasmic reticulum membranes. Mainly found in neurons soma, moderately found at postsynaptic densities (By similarity).
Tissue Location	Abundantly expressed in atrial myocardium (at protein level). Expressed in lung fibroblasts, cervical epithelial and B-cells (at protein level). Widely expressed, with isoforms displaying different expression profiles.



Western Blot - Anti-SAP97 Rabbit mAb [82B13147]

All lanes: R015016 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: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 5: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

Lane 6: 293T (Human embryonic kidney cell) whole cell lysates

Lane 7: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 8: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 9: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 10: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

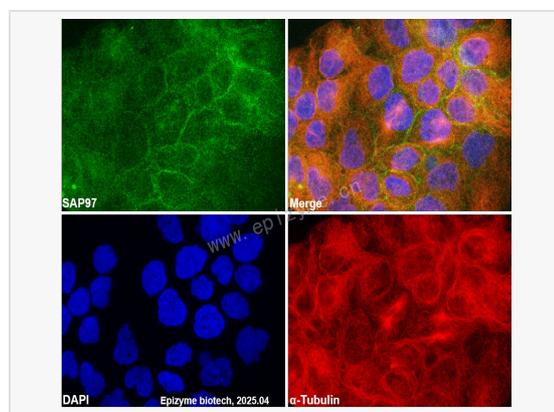
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 100 kDa

Observed band size: 100 kDa

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



Immunofluorescence - Anti-SAP97 Rabbit mAb [82B13147]

Sample: A431 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: R015016 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 (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).