

Anti-SCAP Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

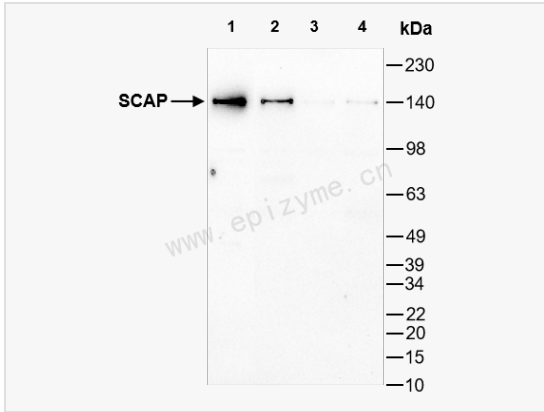
Catalog # M014936

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:4,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Mouse
Clonality	Monoclonal
Clone No.	17D22K25
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human SCAP
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-SCAP Mouse mAb [17D22K25] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	KIAA0199, SCAP, SCAP_HUMAN, SREBF chaperone, SREBF chaperone protein, SREBP cleavage activating protein, SREBP cleavage-activating protein, Sterol regulatory element binding protein cleavage-activating protein, Sterol regulatory element-binding protein cleavage-activating protein.
Calculated MW	Calculated MW: 140 kDa; Observed MW: 140 kDa
Uniprot ID	Q12770
Gene ID	22937
Background	This gene encodes a protein with a sterol sensing domain (SSD) and seven WD domains. In the presence of cholesterol, this protein binds to sterol regulatory element binding proteins (SREBPs) and mediates their transport from the ER to the Golgi. The SREBPs are then proteolytically cleaved and regulate sterol biosynthesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016].
Cellular Location	Endoplasmic reticulum membrane. Golgi apparatus membrane. Cytoplasmic vesicle > COPII-coated vesicle membrane. Moves from the endoplasmic reticulum to the Golgi in the absence of sterols.



Western Blot - Anti-SCAP Mouse mAb [17D22K25]

All lanes: M014936 at 1:4,000 dilution

Lane 1: A549 (Human lung carcinoma epithelial cell) whole cell lysates

Lane 2: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

Lane 3: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

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

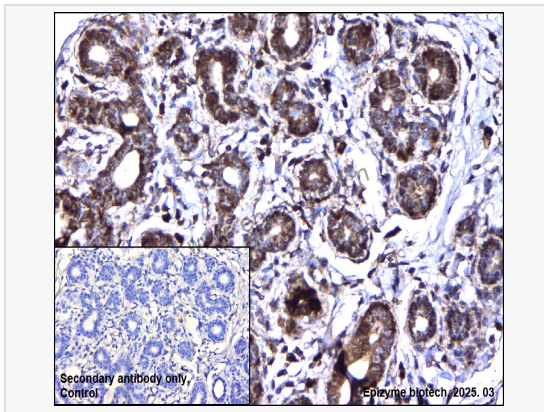
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 140 kDa

Observed band size: 140 kDa

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



Immunohistochemistry - Anti-SCAP Mouse mAb [17D22K25]

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

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

Primary antibody: M014936 at 1:200 dilution

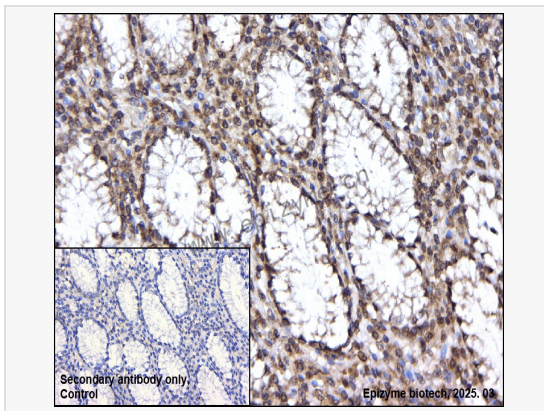
Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP conjugated at 1:1,000 dilution

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-SCAP Mouse mAb [17D22K25]

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: M014936 at 1:200 dilution

Secondary antibody: Goat Anti-Mouse 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.