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SEL1L Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10685c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9UBV2
Other Accession	NP_005056.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28451
Calculated MW	88755
Antigen Region	156-182

Additional Information

Gene ID	6400
Other Names	Protein sel-1 homolog 1, Suppressor of lin-12-like protein 1, Sel-1L, SEL1L, TSA305
Target/Specificity	This SEL1L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-182 amino acids from the Central region of human SEL1L.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SEL1L Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SEL1L {ECO:0000303|PubMed:10746565}
Function	Plays a role in the endoplasmic reticulum quality control (ERQC) system also called ER-associated degradation (ERAD) involved in ubiquitin-dependent

degradation of misfolded endoplasmic reticulum proteins (PubMed:16186509, PubMed:29997207, PubMed:37943610, PubMed:37943617). Enhances SYVN1 stability. Plays a role in LPL maturation and secretion. Required for normal differentiation of the pancreas epithelium, and for normal exocrine function and survival of pancreatic cells. May play a role in Notch signaling.

Cellular Location Endoplasmic reticulum membrane; Single-pass type I membrane protein

Tissue Location Highly expressed in pancreas.

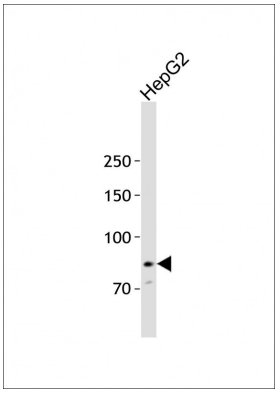
Background

May play a role in Notch signaling (By similarity). May be involved in the endoplasmic reticulum quality control (ERQC) system also called ER-associated degradation (ERAD) involved in ubiquitin-dependent degradation of misfolded endoplasmic reticulum proteins.

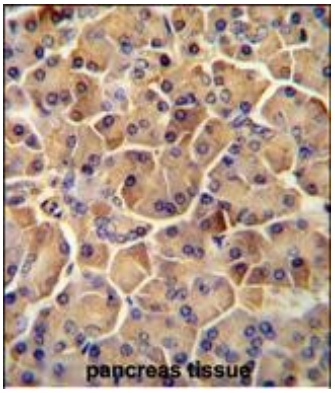
References

Ban, H.J., et al. BMC Genet. 11, 26 (2010) :
Riemer, J., et al. Proc. Natl. Acad. Sci. U.S.A. 106(35):14831-14836(2009)
Cormier, J.H., et al. Mol. Cell 34(5):627-633(2009)
Oresic, K., et al. Biosci. Rep. 29(3):173-181(2009)
Cattaneo, M., et al. J. Biol. Chem. 284(17):11405-11415(2009)

Images

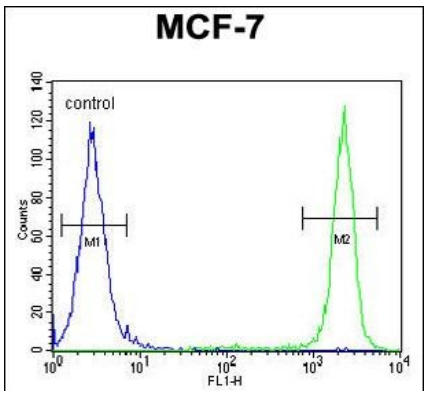


All lanes: Anti-SEL1L Antibody (Center) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 88 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



SEL1L antibody (Center) (Cat. #AP10685c) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SEL1L antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

SEL1L Antibody (Center) (Cat. #AP10685c) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the



analysis.