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FAM134B Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP13522c

Specification

FAM134B Antibody (Center) Blocking peptide - Product Information

Primary Accession	Q9H6L5

FAM134B Antibody (Center) Blocking peptide - Additional Information

Gene ID 54463

Other Names
Protein FAM134B, FAM134B

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13522c was selected from the Center region of FAM134B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FAM134B Antibody (Center) Blocking peptide - Protein Information

Name RETREG1 (HGNC:25964)

Function
Endoplasmic reticulum (ER)-anchored autophagy regulator which mediates ER delivery into lysosomes through sequestration into autophagosomes (PubMed:26040720, PubMed:31930741, PubMed:34338405). Promotes membrane remodeling and ER scission via its membrane bending capacity and targets the fragments into autophagosomes via interaction with ATG8 family proteins (PubMed:26040720, PubMed:31930741, PubMed:34338405). Active under basal conditions (PubMed:34338405). Required for collagen quality control in a LIR motif-dependent manner (By similarity). Required for long-term survival of nociceptive and autonomic ganglion

neurons (PubMed:19838196, PubMed:26040720).

Cellular Location
Golgi apparatus, cis-Golgi network membrane {ECO:0000250|UniProtKB:Q8VE91}; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location
Overexpressed in esophageal squamous cell carcinoma (PubMed:17487424).

FAM134B Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

FAM134B Antibody (Center) Blocking peptide - Images

FAM134B Antibody (Center) Blocking peptide - Background

The protein encoded by this gene is a cis-Golgitransmembrane protein that may be necessary for the long-termsurvival of nociceptive and autonomic ganglion neurons. Defects inthis gene are a cause of hereditary sensory and autonomicneuropathy type II (HSAN II). Two transcript variants encodingdifferent isoforms have been found for this gene. [provided byRefSeq].

FAM134B Antibody (Center) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Kurth, I., et al. Nat. Genet. 41(11):1179-1181(2009)Tang, W.K., et al. Int. J. Mol. Med. 19(6):915-923(2007)Lamesch, P., et al. Genomics 89(3):307-315(2007)