STXBP2 Antibody

PRODUCT OVERVIEW

Product Name	STXBP2, Antibody
Full Product Name	STXBP2 Antibody
Product Gene Name	anti-STXBP2 antibody
Molecular Weight	67,695 Da
OMIM	601717
3D Structure	ModBase 3D Structure for Q15833
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-STXBP2 antibody	MBS8502840 is an antibody targeting STXBP2. Also known as STXBP2 Antibody.
Other Notes	Small volumes of anti-STXBP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STXBP2. It may not necessarily be applicable to this product.

NCBI GI #	188528901
NCBI GeneID	6813
NCBI Accession #	NP_001120868.1
UniProt Primary Accession #	Q15833
UniProt Secondary Accession #	Q9BU65; B4E175; E7EQD5
UniProt Related Accession #	Q15833
GenBank Nucleotide #	NM_001127396.2
NCBI Official Full Name	syntaxin-binding protein 2 isoform b
NCBI Official Synonym Full Names	syntaxin binding protein 2
NCBI Official Symbol	STXBP2
NCBI Official Synonym Symbols	FHL5; UNC18B; Hunc18b; UNC18-2; pp10122; MUNC18-2
UniProt Protein Name	Syntaxin-binding protein 2
UniProt Synonym Protein Names	Protein unc-18 homolog 2; Unc18-2; Protein unc-18 homolog B; Unc-18B
Protein Family	Syntaxin-binding protein
UniProt Gene Name	STXBP2
UniProt Synonym Gene Names	UNC18B; Unc18-2; Unc-18B
NCBI Protein Information	syntaxin-binding protein 2

NCBI Summary for STXBP2	This gene encodes a member of the STXBP/unc-18/SEC1 family. The encoded protein is involved in intracellular trafficking, control of SNARE (soluble NSF attachment protein receptor) complex assembly, and the release of cytotoxic granules by natural killer cells. Mutations in this gene are associated with familial hemophagocytic lymphohistiocytosis. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jan 2013]
UniProt Comments for STXBP2	Involved in intracellular vesicle trafficking and vesicle fusion with membranes. Contributes to the granule exocytosis machinery through interaction with soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) proteins that regulate membrane fusion. Regulates cytotoxic granule exocytosis in natural killer (NK) cells.
Research Articles on STXBP2	**1.** Among these nine polymorphisms, rs188212047 [G/T (L212F)] of STXBP2 was significantly (dominant model; P = 4.84 x 10-8; odds ratio, 2.94) associated with myocardial infarction. STXBP2 may thus be a novel susceptibility locus for myocardial infarction in Japanese.
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