10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

STXBP2 Rabbit pAb

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Catalog # AP54997

Product Information

Application	WB
Primary Accession	Q15833
Reactivity	Human
Predicted	Rat, Pig, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66453
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human STXBP2
Epitope Specificity	161-260/593
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	6813
Other Names	Syntaxin-binding protein 2, Protein unc-18 homolog 2, Unc18-2, Protein unc-18 homolog B, Unc-18B, STXBP2, UNC18B
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

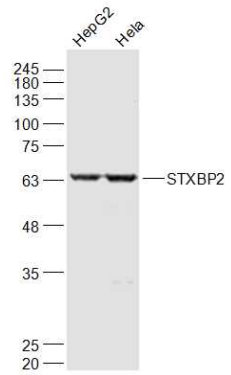
Name	STXBP2 (HGNC:11445)

Synonyms	UNC18B
Function	Functions in intracellular vesicle trafficking through interaction with SNAREs (soluble N-ethylmaleimide-sensitive factor- attachment protein receptors) which are essential proteins for membrane fusion. By promoting the assembly of functional STX11/SNAP23/VAMP8 SNARE complexes at the plasma membrane, regulates cytotoxic granule exocytosis in natural killer (NK) cells.
Cellular Location	Cell membrane; Peripheral membrane protein. Cytolytic granule membrane; Peripheral membrane protein. Note=Enriched at the immunological synapse in activated immune cells.
Tissue Location	Placenta, lung, liver, kidney and pancreas, as well as in peripheral blood lymphocytes

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Images



Sample:
HepG2(Human) Cell Lysate at 30 ug
Hela(Human) Cell Lysate at 30 ug
Primary: Anti-STXBP2 (AP54997) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 66 kD
Observed band size: 66 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.