

STXBP2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54997

Specification

STXBP2 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	Q15833
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66 KDa
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.
SIMILARITY	Belongs to the STXBP/unc-18/SEC1 family.
SUBUNIT	Interacts with STX1A, STX2 and STX3 (By similarity). Interacts with STX11.
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]

STXBP2 Polyclonal Antibody - 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

Target/Specificity

Placenta, lung, liver, kidney and pancreas, as well as in peripheral blood lymphocytes.

Dilution

WB~~1:1000<br \><span class

= "dilution_IHC-P" > IHC-P~~N/A
 IHC-P~~N/A
 IF~~1:50~200
 ICC~~N/A

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.

STXBP2 Polyclonal Antibody - Protein Information

Name STXBP2

Synonyms UNC18B

Function

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.

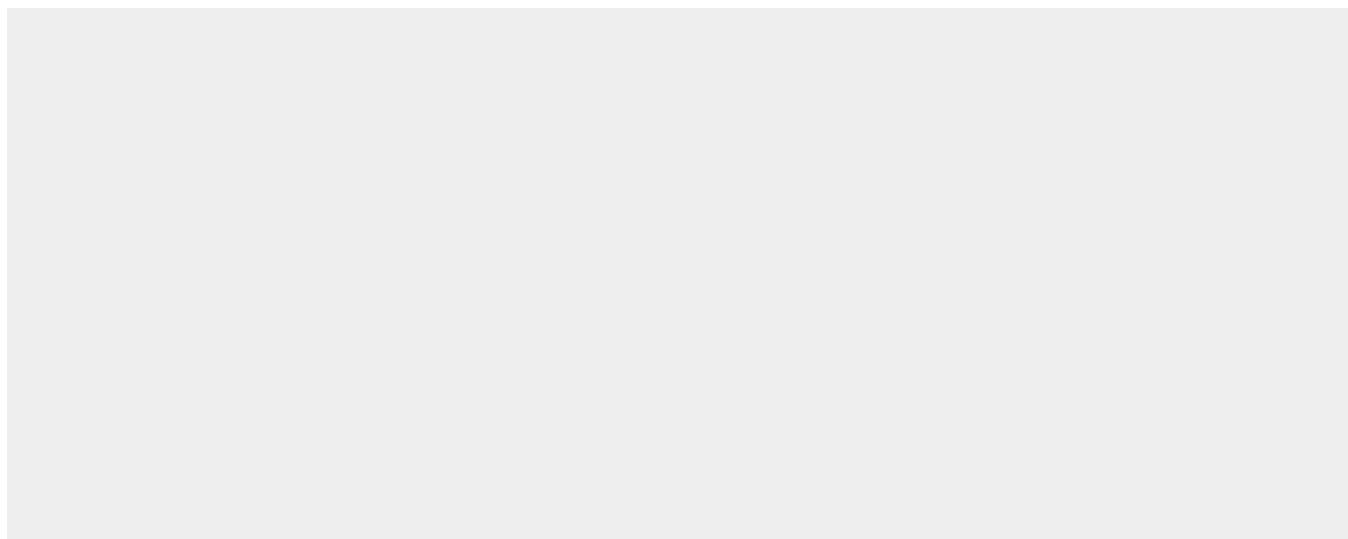
Tissue Location

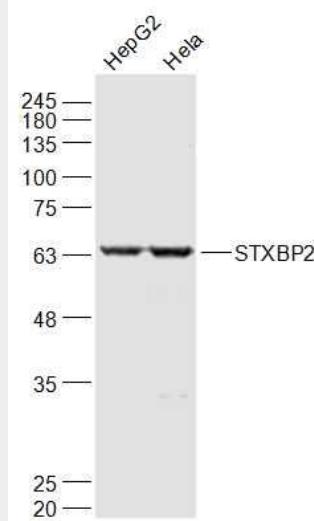
Placenta, lung, liver, kidney and pancreas, as well as in peripheral blood lymphocytes

STXBP2 Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

STXBP2 Polyclonal Antibody - Images

**Sample:**

HepG2(Human) Cell Lysate at 30 ug

HeLa(Human) Cell Lysate at 30 ug

Primary: Anti-STXBP2 (bs-12837R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 66 kD

Observed band size: 66 kD