

Anti-STXBP2 Picoband Antibody
Catalog # ABO12506**Specification**

Anti-STXBP2 Picoband Antibody - Product Information

Application	WB
Primary Accession	Q15833
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Syntaxin-binding protein 2(STXBP2) detection. Tested with WB in Human;Mouse;Rat

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-STXBP2 Picoband 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

Calculated MW

66453 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Tissue Specificity

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

Protein Name

Syntaxin-binding protein 2

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human STXBP2 (184-215aa QEYPAIRYRKGPEDTAQLAHAVLAKLNAFKAD), different from the related mouse and rat sequences by one amino acid.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-STXBP2 Picoband 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.

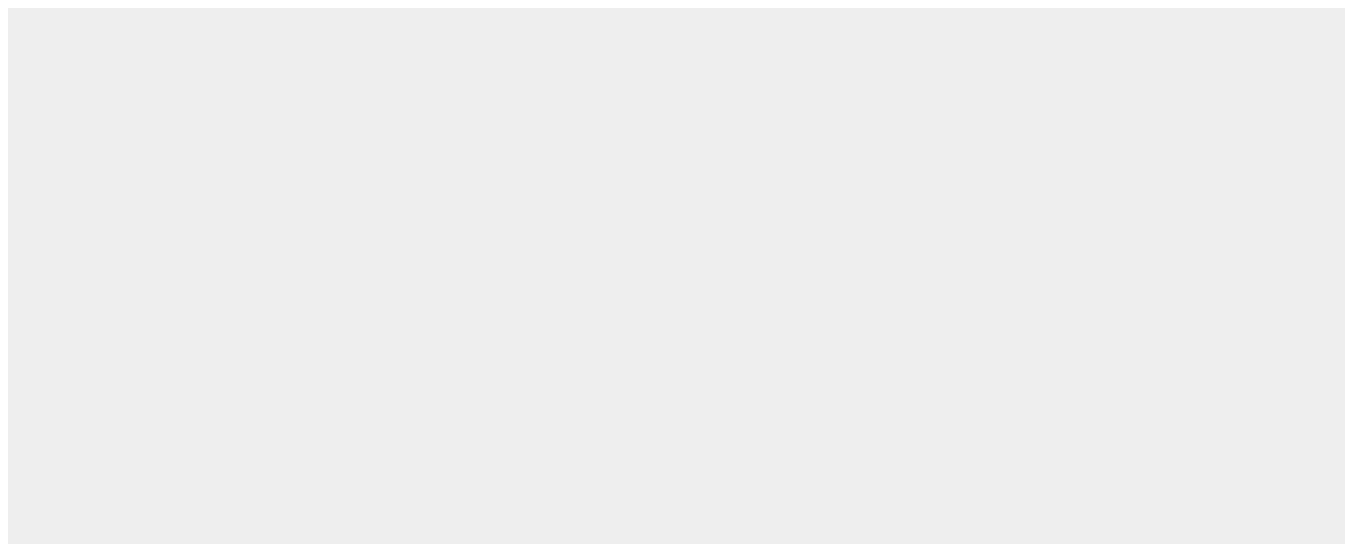
Tissue Location

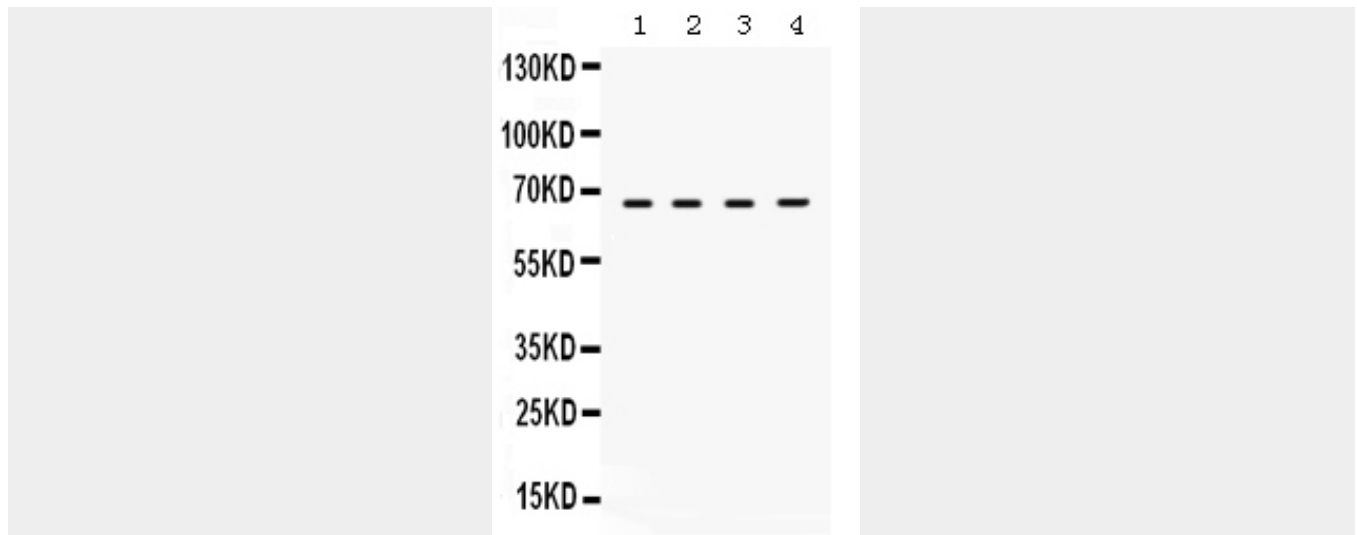
Placenta, lung, liver, kidney and pancreas, as well as in peripheral blood lymphocytes

Anti-STXBP2 Picoband 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](#)

Anti-STXBP2 Picoband Antibody - Images



Anti- STXBP2 Picoband antibody, ABO12506, Western blotting All lanes: Anti STXBP2 (ABO12506) at 0.5ug/ml
Lane 1: Rat Brain Tissue Lysate at 50ug
Lane 2: Mouse Brain Tissue Lysate at 50ug
Lane 3: HEPG2 Whole Cell Lysate at 40ug
Lane 4: HELA Whole Cell Lysate at 40ug
Predicted bind size: 66KD
Observed bind size: 66KD

Anti-STXBP2 Picoband Antibody - Background

Syntaxin-binding protein 2, also known as UNC18B, is a protein that in humans is encoded by the STXBP2 gene. The STXBP2 gene is mapped to human chromosome 19p13.3-p13.2 and to the proximal arm of mouse chromosome 8. And 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. Additionally, UNC18B is expressed predominantly as a 2.4-kb message in placenta, lung, liver, kidney, and pancreas, as well as in peripheral blood lymphocytes. Mutations in this gene are associated with familial hemophagocytic lymphohistiocytosis. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.