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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB06140 - Goat Anti-MUNC18 / STXBP1 (isoform a) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: STXBP1, MUNC18-1, UNC18, hUNC18, syntaxin binding protein 1, Hunc18, rbSec1, syntaxin-binding protein 1, RP11-56D16.3, EIEE4, FLJ37475, RBSEC1

Official Symbol: STXBP1

Accession Number(s): NP_003156.1

Human GeneID(s): [6812](#)

Non-Human GeneID(s): 20910 (mouse)

Important Comments: This antibody is expected to recognize isoform a (NP_003156.1).

Immunogen

Peptide with sequence C-SRVSFEDQAPTME, from the C Terminus of the protein sequence according to NP_003156.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Approx 75kDa band observed in Human and Mouse Brain lysates (calculated MW of 68.7kDa according to NP_003156.1). Recommended concentration: 0.1-0.3µg/ml.

IHC: In paraffin embedded Human Brain cortex shows vesicular staining in neuronal bodies. Recommended concentration, 5-10µg/ml.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse

Specific Reference

This antibody has been successfully used in IHC in Mouse:

Meijer M, Cijssouw T, Toonen RF, Verhage M.

Synaptic Effects of Munc18-1 Alternative Splicing in Excitatory Hippocampal Neurons.

PLoS One. 2015 Sep 25;10(9):e0138950.

PMID: 26407320

EB06140 (0.1 µg/ml) staining of Human Brain lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB06140 (5 µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.