



## International Office

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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 70-75kDa band observed in Human Cerebellum lysates (calculated MW of 68.7kDa according to Human NP\_003156.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Paraffin embedded Human Brain (Cortex). Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse

### Specific Reference

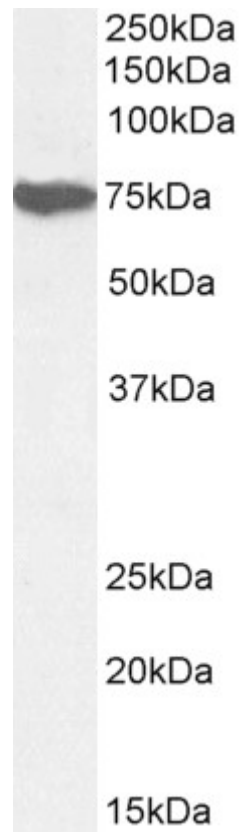
**This antibody has been successfully used in IHC on Mouse:**

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

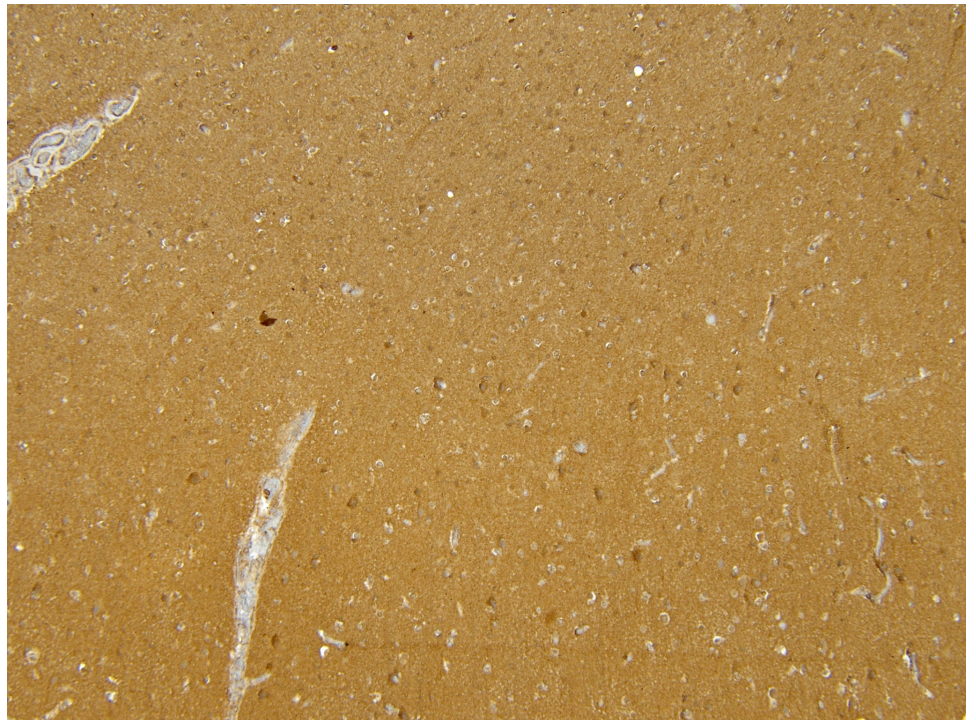
Synaptic Effects of Munc18-1 Alternative Splicing in Excitatory Hippocampal Neurons.

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

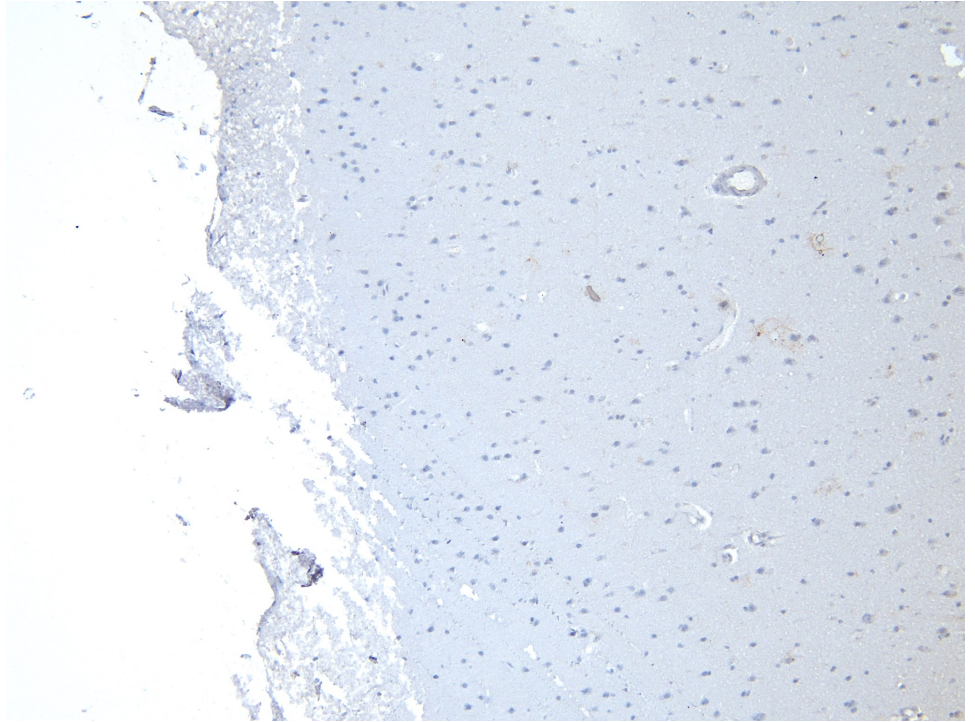
PMID: 26407320



EB06140 (0.3 $\mu$ g/ml) staining of Human Cerebellum lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06140 (5 $\mu$ g/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB06140 Negative Control showing staining of paraffin embedded Human Cortex, with no primary antibody.