

International Office

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Research Use Only. Not for diagnostic or therapeutic use.

EB06881 - Goat Anti-STX1A / STX1B Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: STX1A, syntaxin 1A (brain), HPC-1, STX1, p35-1, SYN1A, OTTHUMP00000174615, OTTHUMP00000174616, OTTHUMP00000174617,

OTTHUMP00000174618, neuron-specific antigen HPC-1, syntaxin-1A, STX1B, syntaxin 1B, STX1B1, STX1B2, FP17469, OTTHUMP00000163224, syntaxin 1B1, syntaxin 1B2,

 $syntaxin\hbox{-}1B,\, syntaxin\hbox{-}1B1,\, syntaxin\hbox{-}1B2$

Official Symbol: STX1A / STX1B

Accession Number(s): NP_004594.1; NP_001159375.1; NP_443106.1

Human GenelD(s): 6804, 112755

Non-Human GenelD(s): 20907 (mouse), 116470 (rat)

Important Comments: Please note this product is expected to recognize the products of

2 different genes. STX1A (NP_004594.1and NP_001159375.1) and STX1B

(NP_443106.1).

Immunogen

Peptide with sequence KDRTQELRTAKD-C, from the N Terminus of the protein sequence according to NP_004594.1; NP_001159375.1; NP_443106.1.

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 1:32000.

Western blot: Approx 35kDa band observed in Mouse Brain lysates (calculated MW of

33.0kDa according to NP_004594.1 and 33.2kDa according to NP_443106.1).

Recommended concentration: 0.01-0.03µg/ml.

Species Reactivity

Tested: Mouse

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



EB06881 (0.003µg/ml) staining of Mouse Brain lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.