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

EB08253 - Goat Anti-Synaptotagmin I Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: synaptotagmin I, DKFZp781D2042, SYT1, P65, SVP65, SYT, synaptotagmin 1

Official Symbol: SYT1

Accession Number(s): NP_005630.1

Human GeneID(s): [6857](#)

Non-Human GeneID(s): 20979 (mouse), 25716 (rat)

Important Comments: Reported isoforms NP_005630.1, NP_001129277.1 and NP_001129278.1 represent identical protein.

Immunogen

Peptide with sequence C-RDLQSAEKKEEQEK, from the internal region of the protein sequence according to NP_005630.1.

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 1:2000.

Western blot: Approx. 65kDa band observed in Human Brain (hippocampus) and Mouse and Rat Brain lysates (calculated MW of 47.6kDa according to NP_005630.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Matthew et al, J Cell Biol. 1981 Oct;91(1):257-69.; PMID: 7298720).

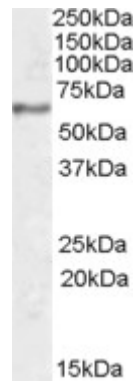
Recommended concentration: 0.3-1µg/ml.

IHC: In paraffin embedded Human Brain shows vesicular staining in neuronal cell and axon. Recommended concentration: 4-6µg/ml.

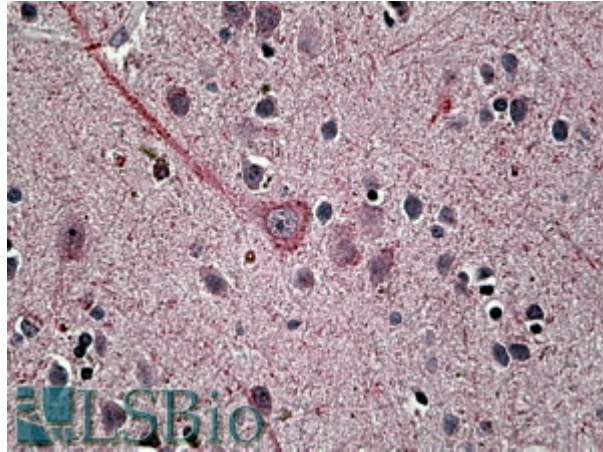
Species Reactivity

Tested: Human

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



EB08253 (1 μ g/ml) staining of Human Hippocampus lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB08253 (3.8 μ g/ml) staining of paraffin embedded Human Brain. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.