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

EB09800 - Goat Anti-TPPP/p25 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: brain specific protein p25 alpha, glycogen synthase kinase 3 (GSK3) inhibitor p24, p24, p25, p25alpha, TPPP/p25, TPPP1, tubulin polymerization promoting protein, tubulin polymerization-promoting protein, TPPP

Official Symbol: TPPP

Accession Number(s): NP_008961.1

Human GeneID(s): [11076](#)

Non-Human GeneID(s): 72948 (mouse), 361466 (rat)

Immunogen

Peptide with sequence C-DPSKDRAAKRLSLES, from the internal region of the protein sequence according to NP_008961.1.

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 26kDa band observed in Human Brain (Cerebellum), Mouse and Rat Brain lysates (calculated MW of 23.7kDa according to NP_008961.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Acevedo et al, Exp Cell Res. 2007 Dec 10;313(20):4091-106; PMID: 18028908).

Recommended concentration: 0.001-0.01µg/ml. Primary incubation was 1 hour. An additional band of unknown identity was also consistently observed at 17kDa. This band was successfully blocked by incubation with the immunizing peptide.

IHC: In paraffin embedded Human Cerebellum shows strong staining of axonal bundles through the granular layer. Recommended concentration: 1-2µg/ml. Paraffin embedded Human Cortex. Recommended concentration: 3.75µg/ml.

Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human

Specific Reference

This antibody has been successfully used in the following paper:

Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen

A high-throughput pipeline for validation of antibodies

Nat Methods. 2018 Nov;15(11):909-912

PMID: 30377371

EB09800 (0.001µg/ml) staining of Human Cerebellum lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB09800 (0.001µg/ml) staining of Mouse (A) and Rat (B) Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence

EB09800 (2µg/ml) staining of paraffin embedded Human Cerebellum. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.

EB09800 Negative Control showing staining of paraffin embedded Human Cerebellum, with no primary antibody.

EB09800 (3.75µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.