

Goat anti-TPPP/p25 Antibody

Item Number	dAP-2187
Target Molecule	Principle Name: TPPP/p25; Official Symbol: TPPP; All Names and Symbols: TPPP; tubulin polymerization promoting protein; TPPP/p25; TPPP1; p24; p25; p25alpha; brain specific protein p25 alpha; glycogen synthase kinase 3 (GSK3) inhibitor p24; tubulin polymerization-promoting protein; Accession Number (s): NP_008961.1; Human Gene ID(s): 11076; Non-Human GeneID(s): 72948 (mouse) 361466 (rat)
Immunogen	DPSKDRAAKRLSLES, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	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 (
IHC	Immunohistochemistry: 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.
Reference	Reference(s): Ovádi J, Orosz F. An unstructured protein with destructive potential: TPPP/p25 in neurodegeneration. <i>BioEssays : news and reviews in molecular, cellular and developmental biology</i> 2009 Jun 31 (6): 676-86.. PMID: 19382230->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**