

Goat anti-Prolyl Endopeptidase / PREP Antibody

Item Number	dAP-0856
Target Molecule	Principle Name: Prolyl Endopeptidase / PREP; Official Symbol: PREP; All Names and Symbols: PREP; prolyl endopeptidase ; HGNC:9358; MGC16060; PE; PEP ; OTTHUMP00000040498; dj355L5.1 (prolyl endopeptidase); post-proline cleaving enzyme; Accession Number (s): NP_002717.3; Human Gene ID(s): 5550; Non-Human GenelD(s): 19072 (mouse) 83471 (rat)
Immunogen	QYIVGRSRKQSNP, is from internal region
Applications	Pep ELISA, IHC Species Tested: Human
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 16000.
Western Blot	Western Blot: Preliminary experiments gave an approx 45kDa band in Human Brain, Lymph Node, Spleen and Testis lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows distinct staining patterns in the cytoplasm of PCT. Recommended concentration, 3-6µg/ml.
Reference	Reference(s): Momeni N, Nordstrom BM, Horstmann V, Avarsaji H, Sivberg BV. Alterations of prolyl endopeptidase activity in the plasma of children with autistic spectrum disorders. <i>BMC Psychiatry</i> . 2005 Jun 2;5(1):27 [Epub ahead of print]. PMID: 15932649 ->

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**