

Goat anti-Aminopeptidase A Antibody

Item Number	dAP-0683
Target Molecule	Principle Name: Aminopeptidase A; Official Symbol: ENPEP; All Names and Symbols: aminopeptidase A; ENPEP; glutamyl aminopeptidase (aminopeptidase A) ; HGNC:3355; APA; gp160; CD249; glutamyl aminopeptidase; Accession Number (s): NP_001968.3; Human Gene ID(s): 2028; Non-Human GenelD(s): 13809 (mouse)
Immunogen	EQYQKTSLAQEKEK, is from internal region
Applications	Pep ELISA, WB, 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 64000.
Western Blot	Western Blot: Approx 170kDa band observed in Human Brain and Testis lysates (calculated MW of 109kDa according to NP_001968.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Ando et al, J Clin Endocrinol 2005;166(1):93-104).
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows staining of basement membrane and the mesangium in the glomerulus. Recommended concentration: 3-5µg/ml.
Reference	Reference(s): Malerba G, Pignatti PF. A review of asthma genetics: gene expression studies and recent candidates. J Appl Genet. 2005;46(1):93-104. Review. PMID: 15741670 ->

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**