

Goat anti-XPNPEP1 Antibody

Item Number	dAP-1831
Target Molecule	Principle Name: XPNPEP1; Official Symbol: XPNPEP1; All Names and Symbols: XPNPEP1; X-prolyl aminopeptidase (aminopeptidase P) 1, soluble; SAMP; XPNPEP; XPNPEPL; XPNPEPL1; OTTHUMP00000020457; OTTHUMP00000058856; X-prolyl aminopeptidase (aminopeptidase P) 1, soluble (SAMP, XPNPEP, XPNPEPL); X-prolyl aminopeptidase (aminopeptidase; Accession Number (s): NP_065116.2; NP_001161076.1; Human Gene ID(s): 7511; Non-Human GeneID(s): 170750 (mouse)
Immunogen	LIRETQPISKQH, is from C Terminus This antibody is expected to recognize isoform 1 and 2 (NP_065116.2; NP_001161076.1).
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse, Rat, Pig
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 80kDa band observed in Human Heart, Skeletal Muscle and Pancreas lysates and 75kDa band observed in Mouse and Rat Small Intestines (calculated MW of 69.9kDa according to NP_065116.2). Recommended concentration: 0.1-0.3µg/ml. Primary
IHC	Immunohistochemistry: Paraffin embedded Human Pancreas. Recommended concentration: 5µg/ml.

Reference Reference(s): Gevaert K, Goethals M, Martens L, Van Damme J, Staes A, Thomas GR, Vandekerckhove J. Exploring proteomes and analyzing protein processing by mass spectrometric identification of sorted N-terminal peptides. Nature biotechnology 2003 May 21 (5): 566-9..PMID: 12665801->

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 ender users! This product is sold for **Research Use Only**