

Goat anti-DPP4 / CD26 Antibody

Item Number	dAP-1134
Target Molecule	Principle Name: DPP4 / CD26; Official Symbol: DPP4 ; All Names and Symbols: DPP4; CD26; dipeptidyl-peptidase 4 (CD26, adenosine deaminase complexing protein 2) ; ADABP; ADCP2; DPPIV; TP103 ; T-cell activation antigen CD26; adenosine deaminase complexing protein 2; dipeptidylpeptidase 4 (CD26, adenosine deaminase complexing protein; Accession Number (s): NP_001926.2; Human Gene ID(s): 1803; Non-Human GeneID(s): 13482 (mouse) 25253 (rat)
Immunogen	PPHFDKSKKYP, is from internal region
Applications	Pep ELISA, WB Species Tested: 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 64000.
Western Blot	Western Blot: Approx 110kDa band observed in Rat Lung lysates (calculated MW of 88.3Da according to NP_001926.2). The observed molecular weight of this glycoprotein corresponds to earlier findings in literature with different antibodies (Herrera et al.,
IHC	
Reference	Reference(s): Pei Z, Li X, Geldern TW, Longenecker K, Pireh D, Stewart KD, Backes BJ, Lai C, Lubben TH, Ballaron SJ, Beno DW, Kempf-Grote AJ, Sham HL, Trevillyan JM. Discovery and Structure-Activity Relationships of Piperidinone- and Piperidine-Constrained Phenethylamines as Novel, Potent, and Selective Inhibitors of DPP4. <i>Journal of Medicinal Chemistry</i> 2007; 50: 1033-1042.

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**