

Rabbit anti-Human DPP4/CD26 Polyclonal Antibody | anti-DPP4 antibody

Anti-DPP4/CD26 Antibody, Rabbit Polyclonal

CATALOG # AAA254672	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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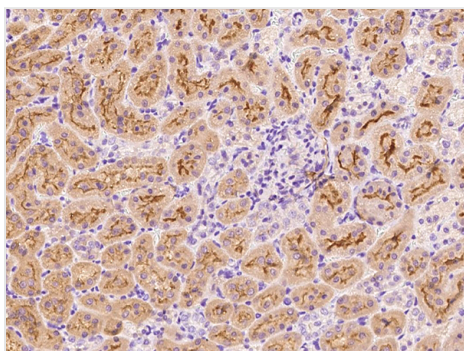
PRODUCT SYNONYMS

DPP4/CD26; Polyclonal Antibody; Anti-DPP4/CD26 Antibody; Rabbit Polyclonal; DPP4/CD26 Antibody; Rabbit PAb; Antigen Affinity Purified; dipeptidylpeptidase 4; Anti-ADABP Antibody; Anti-ADCP2 Antibody; Anti-CD26 Antibody; Anti-DPP4V Antibody; Anti-TP103 Antibody; anti-DPP4 antibody

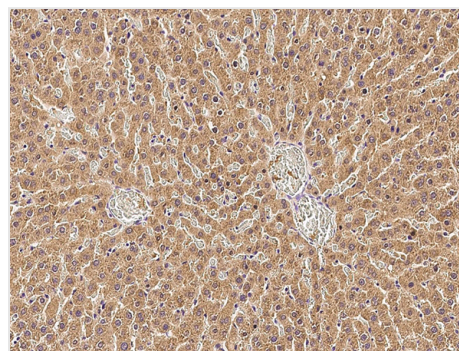
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DPP4/CD26
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DPP4 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human DPP4/CD26
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human DPP4/CD26, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemical staining of rat Dpp4 in rat kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.


IHC (Immunohistochemistry)

Immunohistochemical staining of rat Dpp4 in rat liver with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-DPP4 antibody	Dipeptidyl peptidase-4 (DPP4) or adenosine deaminase complexing protein 2 (ADCP 2) or T-cell activation antigen CD26 is a serine exopeptidase belonging to the S9B protein family that cleaves X-proline dipeptides from the N-terminus of polypeptides, such as chemokines, neuropeptides, and peptide hormones. The enzyme is a type II transmembrane glycoprotein, expressed on the surface of many cell types. It is also present in serum and other body fluids in a truncated form (sCD26/DPPIV). The soluble CD26 (sCD26) as a tumour marker for the detection of colorectal cancer (CRC) and advanced adenomas. As both a regulatory enzyme and a signalling factor, DPP4 has been evaluated and described in many studies. DPP4 inhibition results in increased blood concentration of the incretin hormones glucagon-like peptide-1 (GLP-1) and gastric inhibitory polypeptide (GIP). This causes an increase in glucose-dependent stimulation, resulting in a lowering of blood glucose levels. Recent studies have shown that DPP4 inhibitors can induce a significant reduction in glycosylated haemoglobin (HbA(1c)) levels, either as monotherapy or as a combination with other antidiabetic agents. Research has also demonstrated that DPP4 inhibitors portray a very low risk of hypoglycaemia development, and are a new pharmacological class of drugs for treating Type 2 diabetes.
Product Categories/Family for anti-DPP4 antibody	Serine Proteases and Regulators
References	Doupis J, et al. (2008) DPP4 inhibitors: a new approach in diabetes treatment. Adv Ther. 25(7): 627-43.Havre PA, et al. (2008) The role of CD26/dipeptidyl peptidase IV in cancer. Front Biosci. 13: 1634-45.De Chiara L, et al. (2009) Soluble CD26 levels and its association to epidemiologic parameters in a sample population. Dis Markers. 7(6): 311-6.Matteucci E, et al. (2009) Dipeptidyl peptidase-4 (CD26): knowing the function before inhibiting the enzyme. Curr Med Chem. 16(23): 2943-51.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978773
NCBI GeneID	25253
NCBI Accession #	NP_036921.1
NCBI GenBank Nucleotide #	NM_012789.1
UniProt Accession #	P14740
Molecular Weight	88,089 Da
NCBI Official Full Name	dipeptidyl peptidase 4
NCBI Official Synonym Full Names	dipeptidylpeptidase 4
NCBI Official Symbol	Dpp4
NCBI Official Synonym Symbols	CD26; DPPIV
NCBI Protein Information	dipeptidyl peptidase 4; DPP IV; GP110 glycoprotein; T-cell activation antigen CD26; bile canaliculus domain-specific membrane glycoprotein; dipeptidyl peptidase IV
UniProt Protein Name	Dipeptidyl peptidase 4
UniProt Gene Name	Dpp4
UniProt Synonym Gene Names	Cd26; DPP IV
UniProt Entry Name	DPP4_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dpp4-cd26-antibody-immunohistochemistry-elisa/254672>