

Rabbit anti-Human DPP2 Polyclonal Antibody | anti-DPP7 antibody

Anti-DPP2 Antibody, Rabbit Polyclonal

CATALOG # AAA254594	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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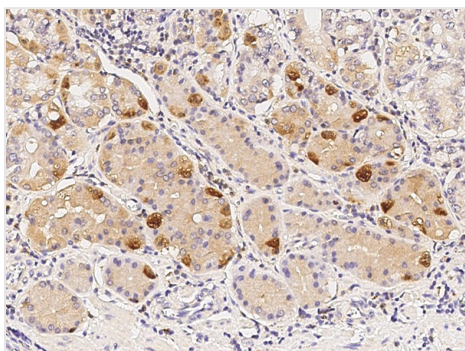
PRODUCT SYNONYMS

DPP2; Polyclonal Antibody; Anti-DPP2 Antibody; Rabbit Polyclonal; DPP7/DPPII/DPP2 Antibody; Rabbit PAb; Antigen Affinity Purified; dipeptidyl-peptidase 7; Anti-DPPII Antibody; Anti-QPP Antibody; anti-DPP7 antibody

PRODUCT SPECIFICATIONS

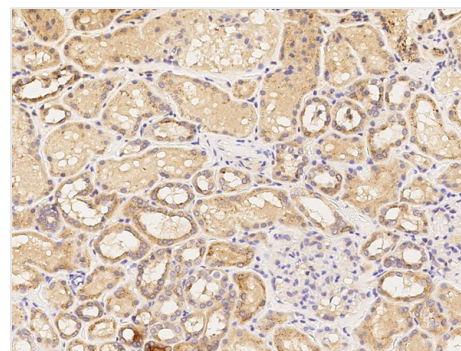
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DPP7/DPPII/DPP2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DPP7 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human DPP7/DPPII/DPP2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human DPP7/DPPII/DPP2, 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)

Immunochemical staining of human DPP7 in human stomach with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human DPP7 in human kidney with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-DPP7 antibody	DPP7 (dipeptidylpeptidase 7), also known as DPPII and DPP2, is a post-proline cleaving aminopeptidase expressed in quiescent lymphocytes. Dipeptidyl peptidases (DPPs) have post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. DPPs mediate regulatory activity of their substrates and have been linked to a variety of diseases including type 2 diabetes, obesity and cancer. DPPs can bind specific voltage-gated potassium channels and alter their expression and biophysical properties and may also influence T cells. DPP proteins include DPRP1, DPRP2, DPP3, DPP7, DPP10, DPPX and CD26. It localizes to lysosomes. DPP7 localizes to lysosomes and exists as a homodimer via its leucine zipper motif and is involved in the degradation of oligopeptides. In response to calcium release, it can be secreted in its active form. It is essential for lymphocyte survival, as the inhibition of DPP7 results in quiescent cell apoptosis.
Product Categories/Family for anti-DPP7 antibody	Serine Proteases and Regulators
References	Chiravuri M, et al. (1999) A novel apoptotic pathway in quiescent lymphocytes identified by inhibition of a post-proline cleaving aminodipeptidase: a candidate target protease, quiescent cell proline dipeptidase. J Immunol. 163(6):3092-9.Fukasawa KM, et al. (2001) Cloning and functional expression of rat kidney dipeptidyl peptidase II. Biochem J. 353(Pt 2):283-90.Fornas E, et al. (1992) Effect of cholesterol and its autooxidation derivatives on endocytosis and dipeptidyl peptidases of aortic endothelial cells. Histol Histopathol. 7(2):163-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62420888
NCBI GeneID	29952
UniProt Accession #	Q9UHL4; Q5VSF1; Q969X4; A8K7U7
NCBI Official Full Name	dipeptidyl peptidase 2 preproprotein [Homo sapiens]
NCBI Official Synonym Full Names	dipeptidyl-peptidase 7
NCBI Official Symbol	DPP7
NCBI Official Synonym Symbols	QPP; DPP2; DPPII; DPP7
UniProt Protein Name	Dipeptidyl peptidase 2
UniProt Gene Name	DPP7
UniProt Synonym Gene Names	DPP2; QPP
UniProt Entry Name	DPP2_HUMAN

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.