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anti-DPP4 antibody (C-Term)

Images



Overview	
Quantity:	100 μL
Target:	DPP4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
lmmunogen:	A synthesized peptide derived from human CD26, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	CD26 Antibody detects endogenous levels of total CD26.
Predicted Reactivity:	Pig,Bovine,Horse,Rabbit
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).
Target Details	
Target:	DPP4

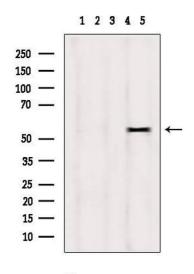
Target Details

Alternative Name:	DPP4 (DPP4 Products)
Background:	Description: Cell surface glycoprotein receptor involved in the costimulatory signal essential for
	T-cell receptor (TCR)-mediated T-cell activation. Acts as a positive regulator of T-cell
	coactivation, by binding at least ADA, CAV1, IGF2R, and PTPRC. Its binding to CAV1 and
	CARD11 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor/CD3-
	dependent manner. Its interaction with ADA also regulates lymphocyte-epithelial cell adhesion.
	In association with FAP is involved in the pericellular proteolysis of the extracellular matrix
	(ECM), the migration and invasion of endothelial cells into the ECM. May be involved in the
	promotion of lymphatic endothelial cells adhesion, migration and tube formation. When
	overexpressed, enhanced cell proliferation, a process inhibited by GPC3. Acts also as a serine
	exopeptidase with a dipeptidyl peptidase activity that regulates various physiological processes
	by cleaving peptides in the circulation, including many chemokines, mitogenic growth factors,
	neuropeptides and peptide hormones. Removes N-terminal dipeptides sequentially from
	polypeptides having unsubstituted N-termini provided that the penultimate residue is proline.
	Gene: DPP4
Molecular Weight:	55-60 kDa
Gene ID:	1803
UniProt:	P27487
Pathways:	Peptide Hormone Metabolism, Regulation of Leukocyte Mediated Immunity
Application Details	
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %
	glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

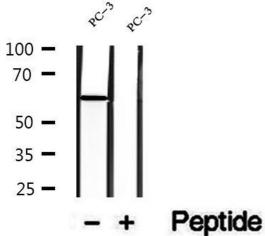
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Images



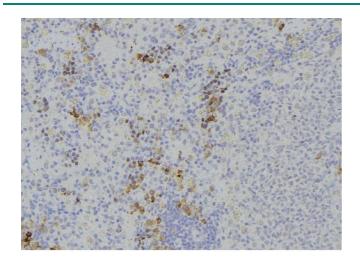
Western Blotting

Image 1. Western blot analysis of extracts from hepg2, using DPP4 antibody. Lane 1 was treated with the blocking peptide.



Western Blotting

Image 2. Western blot analysis of extracts of PC-3 cells, using DPP4 antibody.



Immunohistochemistry

Image 3. ABIN6273231 at 1/100 staining Human lymph node tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary