

Datasheet for ABIN7113503 **anti-DPP4 antibody**

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Overview

Quantity:	100 µg
Target:	DPP4
Reactivity:	Human, Rat, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	dipeptidyl-peptidase 4
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	DPP4
Alternative Name:	DPP4 (DPP4 Products)
Background:	Synonyms:ADABP, ADCP 2, ADCP2, CD26, dipeptidyl peptidase 4, Dipeptidyl peptidase IV, DPP IV, DPP4, DPPIV, T cell activation antigen CD26, TP103 Background: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,

Target Details

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.

Molecular Weight:	55-60 kDa
Gene ID:	1803
UniProt:	P27487
Pathways:	Peptide Hormone Metabolism , Regulation of Leukocyte Mediated Immunity

Application Details

Application Notes:	WB: 1:500-1:1000, IHC: 1:20-1:200, IF: 1:10-1:100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months