

Datasheet for ABIN7149984
anti-DPP4 antibody (AA 473-588)



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4 Images

Overview

Quantity:	100 µg
Target:	DPP4
Binding Specificity:	AA 473-588
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Dipeptidyl peptidase 4 protein (473-588AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	DPP4
Alternative Name:	DPP4 (DPP4 Products)
Background:	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

Target Details

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. Aliases: ADABP antibody, ADCP-2 antibody, ADCP2 antibody, Adenosine deaminase complexing protein 2 antibody, CD26 antibody, Dipeptidyl peptidase 4 antibody, Dipeptidyl peptidase 4 soluble form antibody, Dipeptidyl peptidase IV antibody, Dipeptidyl peptidase IV membrane form antibody, Dipeptidyl peptidase IV soluble form antibody, DPP IV antibody, DPP4 antibody, DPP4_HUMAN antibody, DPPIV antibody, T-cell activation antigen CD26 antibody, TP103 antibody

UniProt: [P27487](#)

Pathways: [Peptide Hormone Metabolism](#), [Regulation of Leukocyte Mediated Immunity](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

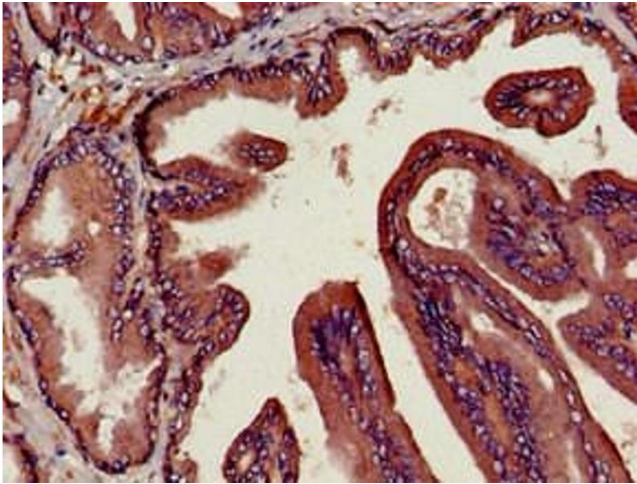
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

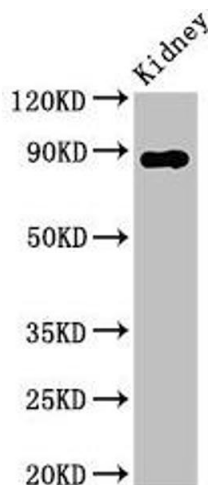
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



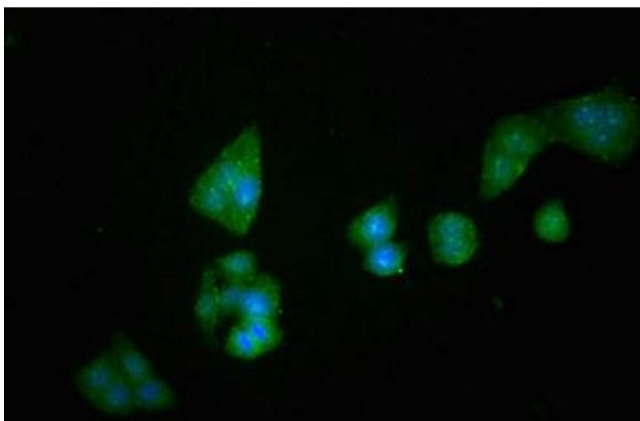
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human prostate tissue using ABIN7149984 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: Rat kidney tissue All lanes: DPP4 antibody at 2.8 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 89 kDa Observed band size: 89 kDa



Immunofluorescence

Image 3. Immunofluorescent analysis of PC-3 cells using ABIN7149984 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7149984.