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# Datasheet for ABIN6953148 anti-DPP4 antibody (AA 473-588)

4 Images



### Overview

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

# Product Details

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

# Target Details

DPP4
DPP4 (DPP4 Products)
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

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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

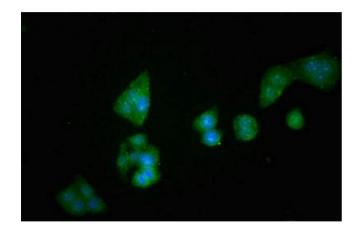
Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only
Handling	

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

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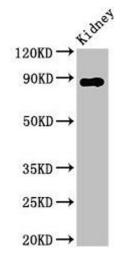
Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

### Images



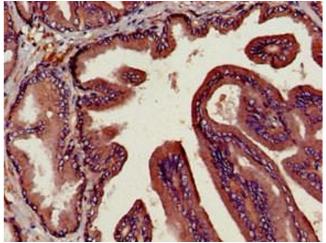
#### Immunofluorescence

**Image 1.** Immunofluorescent analysis of PC-3 cells using ABIN6953148 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)



#### Western Blotting

**Image 2.** 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



#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human prostate tissue using ABIN6953148 at dilution of 1:100

Please check the product details page for more images. Overall 4 images are available for ABIN6953148.

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