

For Research Use Only

DPP4/CD26 Polyclonal antibody

Catalog Number: 29403-1-AP **4 Publications**



Basic Information

Catalog Number: 29403-1-AP	GenBank Accession Number: BC013329	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 1803	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P27487	
Isotype: IgG	Full Name: dipeptidyl-peptidase 4	
Immunogen Catalog Number: AG30160	Calculated MW: 88 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications: FC, WB, ELISA	Positive Controls: WB : Caco-2 cells, HT-29 cells
Cited Applications: WB, IHC	
Species Specificity: Human	
Cited Species: human, mouse	

Background Information

CD26, also known as DPP4 (dipeptidyl peptidase-4), is a 110 kDa type II cell-surface glycoprotein widely expressed on T cells, activated B cells, activated NK cells and myeloid cells as well as on epithelial cells, fibroblasts, mesothelium, and endothelial cells of a variety of tissues (PMID:33777580; 26919392). It has ecto-enzyme activity in its extracellular domain and cleaves amino-terminal dipeptides with either L-proline or L-alanine at the penultimate position (PMID: 9553764). CD26 plays roles in diverse biological processes such as immunoregulation, glucose homeostasis, and tumorigenesis (PMID: 33777580). In addition to the 110 kDa monomeric form, a 290 kDa active dimeric form and a 60 kDa fragment of CD26 have also been reported (PMID: 9654125; 7905271).

Notable Publications

Author	Pubmed ID	Journal	Application
Qiuyu Gong	27444320	Anal Chem	WB
Zhichao Lai	38454421	J Transl Med	IHC
Yijing Yang	37741257	Biomed Pharmacother	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

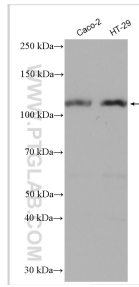
T: 4006900926

E: Proteintech-CN@ptglab.com

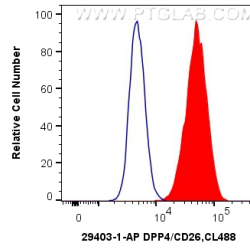
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29403-1-AP (DPP4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



1X10⁶ HT-29 cells were intracellularly stained with 0.4 ug Anti-Human DPP4/CD26 (29403-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).