

DPP4/CD26 Polyclonal antibody

Catalog Number: 29403-1-AP

8 Publications

Basic Information

Catalog Number: 29403-1-AP	GenBank Accession Number: BC013329	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 1803	Recommended Dilutions: WB: 1:500-1:2000 IHC: 1:50-1:500
Isotype: IgG	UNIPROT ID: P27487	
Immunogen Catalog Number: AG30160	Full Name: dipeptidyl-peptidase 4	
	Calculated MW: 88 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : Caco-2 cells, HT-29 cells
Species Specificity: human	IHC : human stomach cancer tissue,
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
Zi-Han Li	40518691	Diabet Med	WB
Yajing Zhan	39109577	Cancer Med	IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
 Aliquoting is unnecessary for -20°C storage

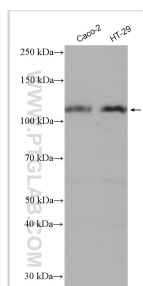
For technical support and original validation data for this product please contact:

T: 4006900926

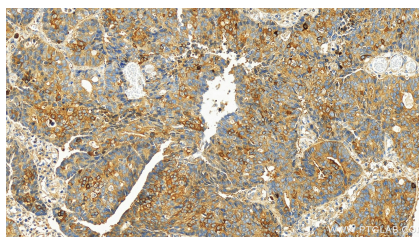
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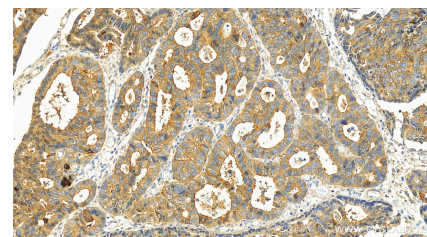
Selected Validation Data



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.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 29403-1-AP (DPP4/CD26 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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