

For Research Use Only

MUC13 Polyclonal antibody

Catalog Number:55487-1-AP



Basic Information

Catalog Number: 55487-1-AP	GenBank Accession Number: NM_033049	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1500 ug/ml by Nanodrop;	GeneID (NCBI): 56667	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9H3R2	
Isotype: IgG	Full Name: mucin 13, cell surface associated	
	Calculated MW: 55 kDa	
	Observed MW: 90 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : HCT 116 cells, HEK-293 cells IHC : human colon cancer tissue,

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

Mucins (MUC) are highly glycosylated proteins that are abundantly expressed in mammalian epithelial cells. Mucin 13 (MUC13) is a member of the transmembrane glycoprotein mucins which is normally expressed in the large intestine, trachea, kidney, small intestine, and gastric epithelium (PMID: 22027689). MUC13 is involved in the tumorigenesis of multiple malignancies, including pancreatic cancer, colorectal cancer, renal cancer and lung cancer (PMID: 22027689; PMID: 31427737; PMID: 28205224; PMID: 34966453).

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

*** 20ul sizes contain 0.1% BSA

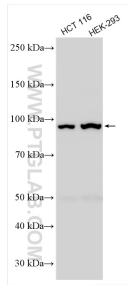
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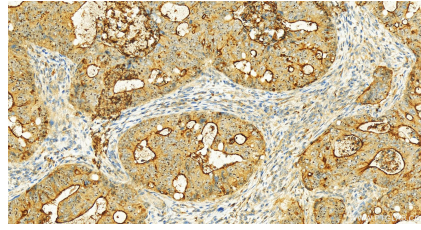
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55487-1-AP (MUC13 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded colon cancer slide using 55487-1-AP (MUC13 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).