

For Research Use Only

MUC20 Polyclonal antibody

Catalog Number: 13380-1-AP **1 Publications**



Basic Information

Catalog Number: 13380-1-AP	GenBank Accession Number: BC029267	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 313 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 200958	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	UNIPROT ID: Q8N307	
Isotype: IgG	Full Name: mucin 20, cell surface associated	
Immunogen Catalog Number: AG4205	Calculated MW: 55 kDa, 71 kDa	
	Observed MW: 70-75 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls: WB : human liver tissue, human kidney tissue IP : mouse liver tissue,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human	

Background Information

MUC20 contains serine, threonine, and proline-rich repeats in its extracellular domain and is likely to be extensively O-glycosylated. MUC20 blocks GRB2 recruitment to MET thus suppressing the GRB2-RAS pathway and inhibiting HGF-induced proliferation of MMP1 and MMP9 expression (PMID: 15314156). MUC20 is highly expressed in the kidney and localized in the proximal tubules but not in the glomerulus or distal tubules (PMID: 14565953). MUC20 was detected in most of the male urogenital tract epithelia, except for epididymis (PMID: 16997931). The expression of MUC20 is up-regulated in the kidneys of patients with immunoglobulin A nephropathy, in an animal model of lupus nephritis, and in mice with acute renal injury caused by cisplatin administration or unilateral ureteral obstruction (PMID: 14565953).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaobin Wang	38439082	J Exp Clin Cancer Res	WB

Storage

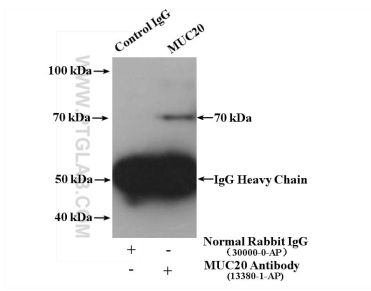
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

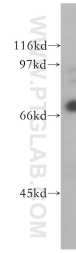
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



IP result of anti-MUC20 (IP:13380-1-AP, 4ug;
Detection:13380-1-AP 1:300) with mouse liver
tissue lysate 6000 ug.



human liver tissue were subjected to SDS PAGE
followed by western blot with 13380-1-AP (MUC20
antibody) at dilution of 1:400 incubated at room
temperature for 1.5 hours.