

For Research Use Only

# MUC20 Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 13380-1-AP	<b>GenBank Accession Number:</b> BC029267	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 200958	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8N307	<b>IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> mucin 20, cell surface associated	
<b>Immunogen Catalog Number:</b> AG4205	<b>Calculated MW:</b> 55 kDa, 71 kDa	
	<b>Observed MW:</b> 70-75 kDa	

## Applications

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

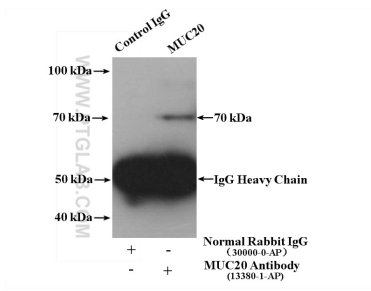
## Storage

**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

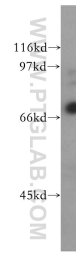
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## Selected Validation Data



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.