

For Research Use Only

MUC20 Polyclonal antibody

Catalog Number: 13380-1-AP

1 Publications



Basic Information

Catalog Number:

13380-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4205

GenBank Accession Number:

BC029267

GeneID (NCBI):

200958

UNIPROT ID:

Q8N307

Full Name:

mucin 20, cell surface associated

Calculated MW:

55 kDa, 71 kDa

Observed MW:

70-75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : human liver tissue, human kidney tissue

IP : mouse liver tissue,

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

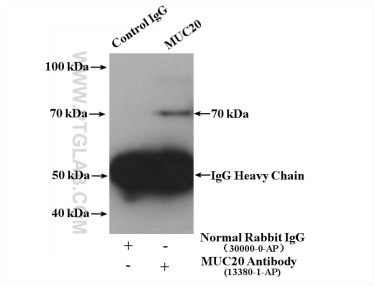
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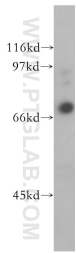
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Selected Validation Data



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.