

For Research Use Only

# MUC20 Monoclonal antibody

Catalog Number: 68714-1-Ig



## Basic Information

<b>Catalog Number:</b> 68714-1-Ig	<b>GenBank Accession Number:</b> BC029267	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 200958	<b>CloneNo.:</b> 1G9B2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q8N307	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG3	<b>Full Name:</b> mucin 20, cell surface associated	
<b>Immunogen Catalog Number:</b> AG31840	<b>Calculated MW:</b> 55 kDa, 71 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : MDCK cells, HEK-293 cells, HK-2 cells, A549 cells, SK-BR-3 cells
<b>Species Specificity:</b> Human, canine	

## 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).

## 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

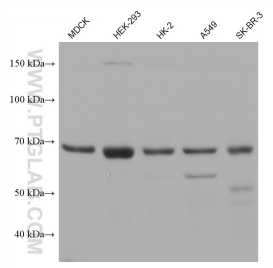
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68714-1-Ig (MUC20 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.