

MUC20 Monoclonal antibody

Catalog Number: 68714-1-Ig

Basic Information

Catalog Number:

68714-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG3

Immunogen Catalog Number:

AG31840

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 kDa

Purification Method:

Protein A purification

CloneNo.:

1G9B2

Recommended Dilutions:

WB 1:1000-1:4000

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, canine

Positive Controls:

WB : MDCK cells, HEK-293 cells, HK-2 cells, A549 cells, SK-BR-3 cells

IF/ICC : HepG2 cells,

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:

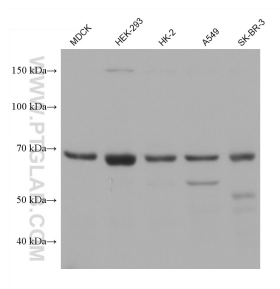
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

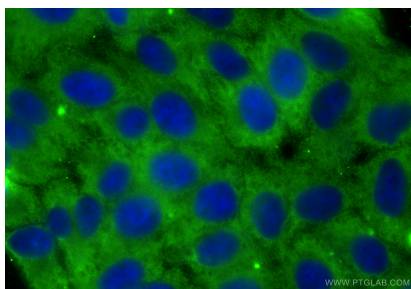
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using MUC20 antibody (68714-1-Ig, Clone: 1G9B2) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).