

For Research Use Only

MUC2 Recombinant monoclonal antibody

Catalog Number: 82792-2-RR



Basic Information

Catalog Number: 82792-2-RR	GenBank Accession Number: M94132	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 4583	CloneNo.: 250669F4
Isotype: IgG	Full Name: mucin 2, oligomeric mucus/gel-forming	Recommended Dilutions: IHC: 1:1000-1:4000 IF-P: 1:200-1:800
Immunogen Catalog Number: AG25800	Calculated MW: 540 kDa	

Applications

Tested Applications:

IHC, IF-P, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : mouse colon tissue, human colon tissue

IF-P : mouse colon tissue, human colon tissue

Background Information

This gene encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins produced by many epithelial tissues. The protein encoded by this gene is secreted and forms an insoluble mucous barrier that protects the gut lumen. The protein polymerizes into a gel of which 80% is composed of oligosaccharide side chains by weight. Downregulation of this gene has been observed in patients with Crohn disease and ulcerative colitis.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

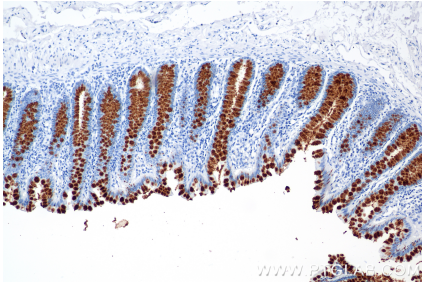
T: 4006900926

E: Proteintech-CN@ptglab.com

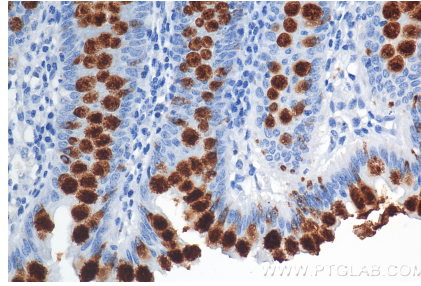
W: ptgcn.com

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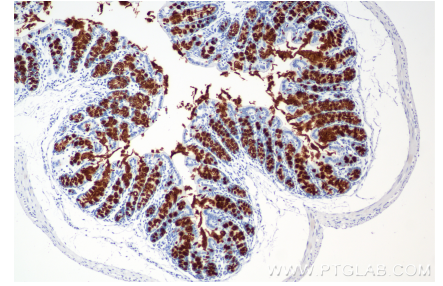
Selected Validation Data



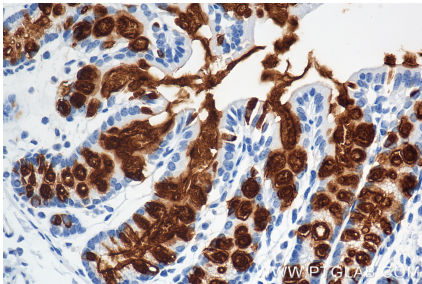
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 82792-2-RR (MUC2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



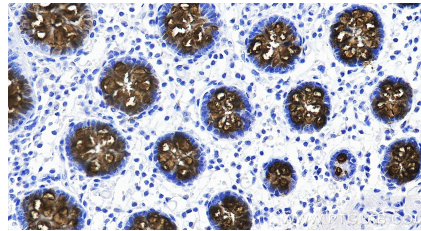
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 82792-2-RR (MUC2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



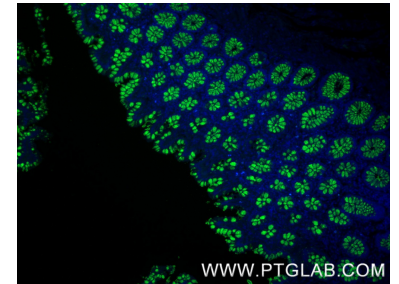
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 82792-2-RR (MUC2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



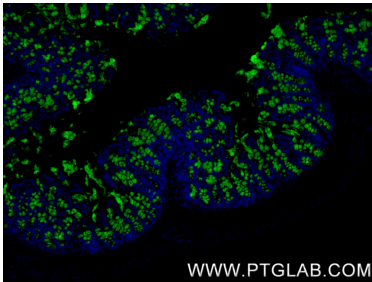
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 82792-2-RR (MUC2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



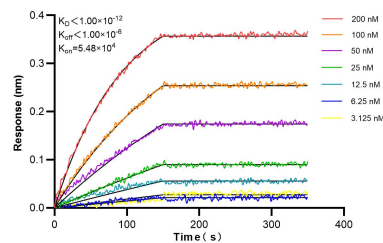
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 82792-2-RR (MUC2 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human colon tissue using MUC2 antibody (82792-2-RR, Clone: 250669F4) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse colon tissue using MUC2 antibody (82792-2-RR, Clone: 250669F4) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 82792-2-RR against Human MUC2 were performed. The affinity constant is below 1 pM.