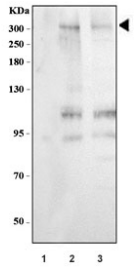
MUC3 Antibody (A/B) (R32385)

Catalog No.	Formulation	Size
R32385	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q02505
Localization	Cytoplasmic, membranous
Applications	Western blot: 0.5-1ug/ml
Limitations	This MUC3 antibody is available for research use only.



Western blot testing of human 1) SW620, 2) COLO320 and 3) Caco-2 cell lysate with MUC3 antibody. Expected molecular weight ~345 kDa.

Description

MUC3 consists of two genes, MUC3A and MUC3B, each encoding membrane-bound mucins possessing 2 epidermal growth factor-like domains. The MUC3 gene is mapped to chromosome 7. It was showed that synthetic peptide-mediated upregulation of MUC3 dramatically inhibited adherence of enteropathogenic E. coli or enterohemorrhage E. coli serotype O157:H7 to HT-29 human intestinal epithelial cells. Peptide stimulation altered expression of a number of transcription factors, including upregulation of SP1, CREB1, and CDX2. These transcription factors bound to consensus sites in the

MUC3 promoter upon peptide stimulation and likely mediated MUC3 upregulation.

Application Notes

Optimal dilution of the MUC3 antibody should be determined by the researcher.

Immunogen

Amino acids DLNDNTSQAYRDFNKTFWNQMQKIFADMQGFTFK from human MUC3A/B were used as the immunogen for the MUC3 antibody.

Storage

After reconstitution, the MUC3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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