

Product Datasheet

MUC4 Antibody (5B12) - Azide and BSA Free H00004585-M07

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00004585-M07

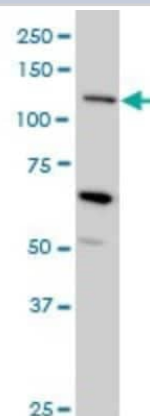
MUC4 Antibody (5B12) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5B12
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	4585
Gene Symbol	MUC4
Species	Human, Mouse
Specificity/Sensitivity	MUC4 - mucin 4, tracheobronchial
Immunogen	MUC4 (NP_004523, 79 a.a. ~ 188 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. GVSLFPYGADAGDLEFVRRTVDFTSPLFKPATGFPLGSSLRDSLYFTDNGQIIF PESDYQIFSYPNPLPTGFTGRDPVALVAPFWDDADFSTGRGTTFYQEYETFYG EHS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IHC-P and ELISA.

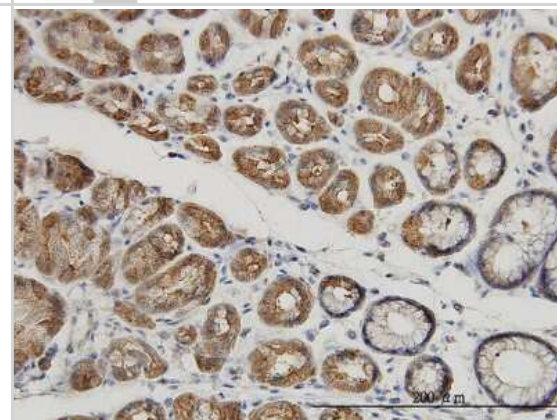


Images

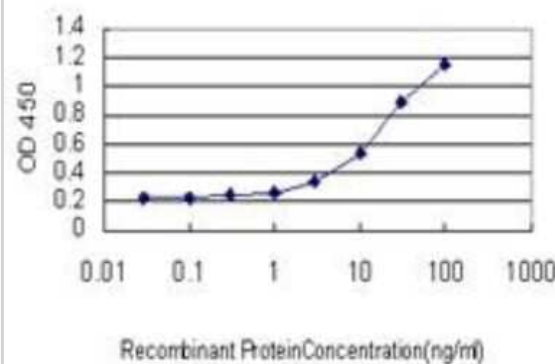
Western Blot: MUC4 Antibody (5B12) [H00004585-M07] - Analysis of MUC4 expression in HeLa (Cat # L013V1).



Immunohistochemistry-Paraffin: MUC4 Antibody (5B12) [H00004585-M07] - Analysis of monoclonal antibody to MUC4 on formalin-fixed paraffin-embedded human stomach. Antibody concentration 3 ug/ml



ELISA: MUC4 Antibody (5B12) [H00004585-M07] - Detection limit for recombinant GST tagged MUC4 is approximately 0.3ng/ml as a capture antibody.



Publications

Barnett AM, Roy NC, McNabb WC, Cookson AL. Effect of a Semi-Purified Oligosaccharide-Enriched Fraction from Caprine Milk on Barrier Integrity and Mucin Production of Co-Culture Models of the Small and Large Intestinal Epithelium. *Nutrients* 2016-05-06 [PMID: 27164134]

Smalley DM, Sheman NE, Nelson K, Theodorescu D. Isolation and identification of potential urinary microparticle biomarkers of bladder cancer. *J Proteome Res*. 2008-05-01 [PMID: 18373357]

Kim SM, Oh SJ, Hur B. Expression of MUC1 and MUC4 in Gallbladder Adenocarcinoma. *Korean J Pathol*. 2012-10-25 [PMID: 23136569]

Uozumi N, Gao C, Yoshioka T et al. Identification of a novel type of CA19-9 carrier in human bile and sera of cancer patients: an implication of the involvement in nonsecretory exocytosis. *J Proteome Res* 9(12):6345-53. 2010-12-03 [PMID: 20954701]

Kalinina T, Gungor C, Thielges S et al. Establishment and characterization of a new human pancreatic adenocarcinoma cell line with high metastatic potential to the lung. *BMC Cancer*;10:295. 2010-06-16 [PMID: 20553613]



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Products Related to H00004585-M07

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00004585-Q01-10ug	Recombinant Human MUC4 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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