antibodies - online.com







anti-MUC4 antibody (AA 1730-1864)



Images



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Quantity:	100 μg
Target:	MUC4
Binding Specificity:	AA 1730-1864
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MUC4 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment (around aa 1730-1864) of human MUC4 protein (exact sequence is proprietary)
Clone:	MUC4-3084
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	MUC4
Alternative Name:	MUC4 (MUC4 Products)
Background:	The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as

those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These		
glycoproteins play important roles in the protection of the epithelial cells and have been		
implicated in epithelial renewal and differentiation. This gene encodes an integral membrane		
glycoprotein found on the cell surface, although secreted isoforms may exist. MUC-4		
transcripts have been detected in normal respiratory epithelium and lung. MUC-4 is a very		
specific (100 %) and sensitive (90 %) marker of lung adenocarcinomas and is negative for		
mesotheliomas. Reportedly, MUC-4 expression in invasive ductal carcinoma of the pancreas is		
an independent factor for poor prognosis.		

Molecular Weight:	235kDa
Gene ID:	4585
UniProt:	Q99102
Pathways:	Regulation of Leukocyte Mediated Immunity

Application Details

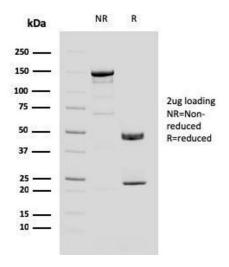
Application Notes: Desitive Control Ctomach Colon or as	
Application Notes: Positive Control: Stomach, Colon or es	opriadus.

Known Application: Immunohistochemistry (Formalin-fixed) (1-2 μ g/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

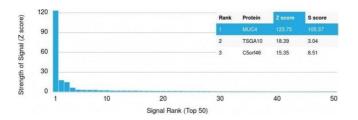
Handling

Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



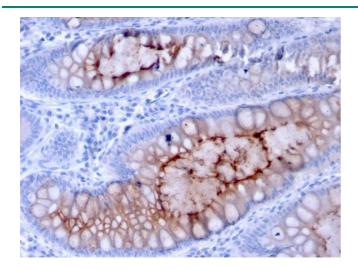
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified MUC4 Mouse Monoclonal Antibody (MUC4/3084). Confirmation of Purity and Integrity of Antibody



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using MUC4 Mouse Monoclonal Antibody (MUC4/3084) Z- and S- Score: The Zscore represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Zscore, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with MUC4 Mouse Monoclonal Antibody (MUC4/3084).

Please check the product details page for more images. Overall 5 images are available for ABIN6940125.