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Datasheet for ABIN6937955
anti-MUC4 antibody (AA 1730-1864)

Overview

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 (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa 1730-1864) of human MUC4 protein (exact sequence is proprietary)
Clone:	MUC4-3105
Isotype:	IgG2b kappa
Specificity:	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

Product Details

mesotheliomas. Reportedly, MUC-4 expression in invasive ductal carcinoma of the pancreas is an independent factor for poor prognosis.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: MUC4

Alternative Name: MUC4 ([MUC4 Products](#))

Background: Ascites sialoglycoprotein 1, Ascites sialoglycoprotein 2, Ascites sialoglycoprotein, ASGP, ASGP-1, ASGP-2, Mucin 4 cell surface associated, Mucin-4 beta chain, Pancreatic adenocarcinoma mucin, Testis mucin, Tracheobronchial mucin, MUC4 (Mucin 4 / Gastric Mucin)
Cellular localisation: Cytoplasmic

Molecular Weight: 235kDa

Gene ID: 4585, 369646

UniProt: [Q99102](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#)

Application Details

Application Notes: Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Positive_Control: Stomach, Colon or esophagus.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Handling

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months