

Product datasheet

Anti-MUC4 antibody [6A134] ab85717

画像数 1

製品の概要

製品名	Anti-MUC4 antibody [6A134]
製品の詳細	Mouse monoclonal [6A134] to MUC4
由来種	Mouse
アプリケーション	適用あり: IHC-P, IHC-Fr
種交差性	交差種: Rat, Human
免疫原	Full length native MUC4 beta chain (purified) (Rat)
ポジティブ・コントロール	Colon and stomach tissue. Blood vessels and capillaries. Colon polyps, colon carcinoma tissue, gastric adenocarcinoma, lung carcinoma and ovarian mucinous adenocarcinoma.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
バッファー	Preservative: 0.1% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
精製度	Ascites
ポリ/モノ	モノクローナル
クローン名	6A134
アイソタイプ	IgG1

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab85717** in the following tested applications.

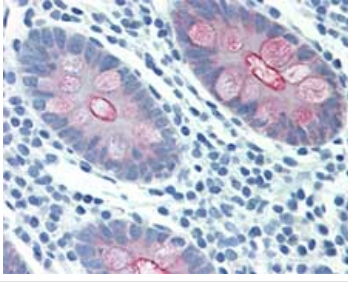
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 20 µg/ml.
IHC-Fr		Use at an assay dependent concentration.

ターゲット情報

機能	May play a role in tumor progression. Ability to promote tumor growth may be mainly due to repression of apoptosis as opposed to proliferation. Has anti-adhesive properties. Seems to alter cellular behavior through both anti-adhesive effects on cell-cell and cell-extracellular matrix interactions and in its ability to act as an intramembrane ligand for ERBB2. Plays an important role in cell proliferation and differentiation of epithelial cells by inducing specific phosphorylation of ERBB2. The MUC4-ERBB2 complex causes site-specific phosphorylation of the ERBB2 'Tyr-1248'. In polarized epithelial cells segregates ERBB2 and other ERBB receptors and prevents ERBB2 from acting as a coreceptor. The interaction with ERBB2 leads to enhanced expression of CDKN1B. The formation of a MUC4-ERBB2-ERBB3-NRG1 complex leads to down-regulation of CDKN1B, resulting in repression of apoptosis and stimulation of proliferation.
組織特異性	Expressed in the thymus, thyroid, lung, trachea, esophagus, stomach, small intestine, colon, testis, prostate, ovary, uterus, placenta, and mammary and salivary glands. Expressed in carcinomas arising from some of these epithelia, such as lung cancers, squamous cell carcinomas of the upper aerodigestive tract, mammary carcinomas, biliary tract, colon, and cervix cancers. Minimally or not expressed in the normal pancreas or chronic pancreatitis, but is highly expressed in pancreatic tumors and pancreatic tumor cell lines.
配列類似性	Contains 1 AMOP domain. Contains 2 EGF-like domains. Contains 1 NIDO domain. Contains 1 VWFD domain.
発生段階	Expressed early in the primitive gut before respiratory and digestive epithelial cells have acquired their tissue and cell specificity. Expressed at the basal surface of the epithelium from week 14 to 26 weeks and then predominantly localized in only parietal cells. Immediately before birth, found in the cytoplasm of the mucous columnar epithelial cells. In the embryo expressed in skin, then disappears late in gestation.
翻訳後修飾	Proteolytically cleaved into 2 chains, mucin-4 alpha chain and mucin-4 beta chain. mucin-4 alpha chain is highly O-glycosylated. mucin-4 beta chain is predominantly N-glycosylated.
細胞内局在	Secreted; Cell membrane and Membrane. Secreted. Isoforms lacking the Cys-rich region, EGF-like domains and transmembrane region are secreted. Secretion occurs by splicing or proteolytic processing.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - MUC4 antibody [6A134] (ab85717)

ab85717, at 20µg/ml, staining MUC4 in formalin-fixed, paraffin-embedded human colon tissue by Immunohistochemistry. A heat induced antigen retrieval step was performed using pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen.

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