
CA153 Rabbit pAb

Catalog Number: bs-4763R

Target Protein: CA153

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: ELISA (1:5000-10000)

Reactivity: Human

Predicted MW: 138 kDa

Entrez Gene: 4582

Swiss Prot: P15941

Source: KLH conjugated synthetic peptide derived from human CA153/EMA/MUC1: 941-1040/1255.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and overexpressed abundantly in >90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-met receptors and localize with erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O-glycosylated and alterations in glycosylation have been shown in epithelial cancer cells.

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.6] Chen Cui. et al. Ultrasensitive ECL immunoassay for CA15-3 via self-enhanced L012-loaded ZnNi-MOF as an emitter and CeO₂-Pt as a co-reaction accelerator. TALANTA. 2024 Oct;;127120 ; . 39489068

[IF=4.366] Hebeda CB et al. Annexin A1/Formyl Peptide Receptor Pathway Controls Uterine Receptivity to the Blastocyst. Cells. 2020 May 11;9(5):1188. IF ; Human . 32403233