

## MUC1 monoclonal antibody

Catalog: MB66897

Host: Mouse

Reactivity: Human

### BackGround:

Mucins represent a family of glycoproteins characterized by repeat domains and dense O-glycosylation . MUC1 is aberrantly overexpressed in most human carcinomas. Increased expression of MUC1 in carcinomas reduces cell-cell and cell-ECM interactions. MUC1 is cleaved proteolytically, and the large ectodomain can remain associated with the small 25 kDa carboxy-terminal domain that contains a transmembrane segment and a 72-residue cytoplasmic tail . MUC1 interacts with ErbB family receptors and potentiates ERK1/2 activation . MUC1 also interacts with 尾-catenin, which is regulated by GSK-3 尾, PKC 纬, and Src through phosphorylation at Ser44, Thr41, and Tyr46 of the MUC1 cytoplasmic tail . Over-expression of MUC1 potentiates transformation and attenuates stress-induced apoptosis through the Akt or p53 pathways .

### Product:

Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 27 kDa

### Swiss-Prot:

P15941

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/500 - 1/1000)

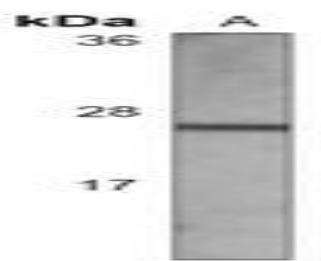
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of MUC1 protein.

### DATA:



Western blot analysis of MUC1 expression in MDAMB435 (A) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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