

Anti-Mucin-1 Antibody (8A876)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 138 kDa. Actual: 42-65 kDa.
Clone:	8A876
Purification:	Protein A purified

Applications

Sample:	Lane 1: Recombinant human Mucin-1 protein, His (HEK293)
Verified Activity:	Primary: Anti-Mucin-1 (TMAB-09102) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: kDa Observed band size: 42-65 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human Mucin-1 Protein
Antigen Species:	Human
Gene ID:	4582
Uniprot ID:	P15941

Research 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 cebB 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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