

Anti-MUC1/CD227 Antibody (6D465)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Actual: 350 kDa.
Clone:	6D465
Purification:	Affinity Purification

Applications

1. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MUC1/MUC1/CD227 Monoclonal Antibody, Unconjugated (TMAB-09091) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MUC1/MUC1/CD227 Monoclonal Antibody, Unconjugated (TMAB-09091) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MUC1/MUC1/CD227 Monoclonal Antibody, Unconjugated (TMAB-09091) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MUC1/MUC1/CD227 Monoclonal Antibody, Unconjugated (TMAB-09091) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Human Endometrial; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MUC1/MUC1/CD227 Monoclonal Antibody, Unconjugated (TMAB-09091) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded Human Endometrial Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MUC1/MUC1/CD227 Monoclonal Antibody, Unconjugated (TMAB-09091) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
7. 25 µg total protein per lane of various lysates (see on figure) probed with MUC1 monoclonal antibody, unconjugated (TMAB-09091) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.

Verified Activity:

A DRUG SCREENING EXPERT

Application: IHC-P,IF,IHC-Fr,WB

Recommended IHC-P: 1: 200-1000; IF: 1: 200-1000; IHC-Fr: 1: 200-1000; WB: 1: 500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthesized peptide: Human MUC1

Antigen Species: Human

Gene ID: 4582

Uniprot ID: P15941

Research Background

Mucins represent a family of glycoproteins characterized by repeat domains and dense O-glycosylation . MUC1 (or mucin 1) 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 β -catenin, which is regulated by GSK-3 β , PKC γ , and Src through phosphorylation at Ser44, Thr41, and Tyr46 of the MUC1 cytoplasmic tail. Overexpression of MUC1 potentiates transformation and attenuates stress-induced apoptosis through the Akt or p53 pathways

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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