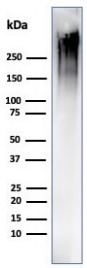
Recombinant Mucin-1 Antibody / MUC1 [clone MUC1/4416R] (V9266)

Catalog No.	Formulation	Size
V9266-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9266-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9266SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

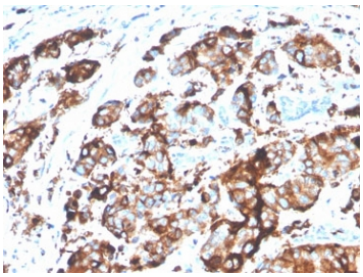
Recombinant RABBIT MONOCLONAL

Bulk quote request

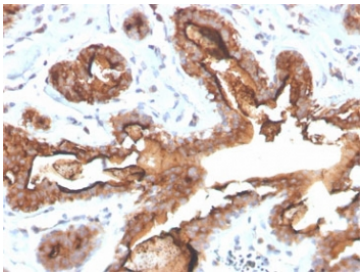
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	MUC1/4416R
Purity	Protein A/G affinity
UniProt	P15941
Localization	Cytoplasmic, Cell Surface
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This recombinant Mucin-1 antibody is available for research use only.



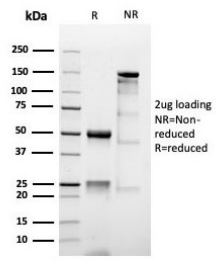
Western blot testing of human MCF-7 cell lysate using recombinant Mucin-1 antibody (clone MUC1/4416R). This glycoprotein is commonly visualized between 120~500 kDa.



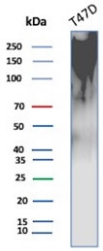
IHC staining of FFPE human breast carcinoma tissue with recombinant Mucin-1 antibody (clone MUC1/4416R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human breast carcinoma tissue with recombinant Mucin-1 antibody (clone MUC1/4416R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Mucin-1 antibody (clone MUC1/4416R) as confirmation of integrity and purity.



Western blot testing of human T-47D cell lysate with recombinant Mucin-1 antibody (clone MUC1/4416R). This glycoprotein is commonly visualized between 120~500 kDa.

Description

Mucin-1 may provide a protective layer on epithelial cells against bacterial and enzyme attack. In immunohistochemical assays, it superbly stains routine formalin/paraffin carcinomas. Anti-Mucin-1 antibody is a useful marker for staining many carcinomas. It stains normal and neoplastic cells from various tissues, including mammary epithelium, sweat glands and colorectal carcinoma. Hepatocellular carcinoma, adrenal carcinoma and embryonal carcinomas are consistently Mucin-1 negative, so keratin positivity with negative Mucin-1 favors one of these tumors. Mucin-1 is frequently positive in meningioma, which can be useful when distinguishing it from other intracranial neoplasms such as schwannomas. Antibody to Mucin-1 is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.

Application Notes

Optimal dilution of the recombinant Mucin-1 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human MUC1 protein was used as the immunogen for the recombinant Mucin-1 antibody.

Storage

Aliquot the recombinant Mucin-1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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