

Product Datasheet

MUC1 Antibody / Mucin-1 (orb2636783)

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.
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IHC-P, WB
Immunogen	Recombinant full-length human MUC1 protein was used as the immunogen for the recombinant Mucin-1 antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced), 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Optimal dilution of the recombinant Mucin-1 antibody should be determined by the researcher.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Isotype	Rabbit IgG

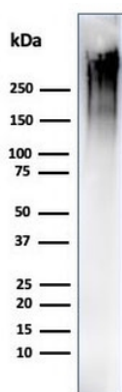
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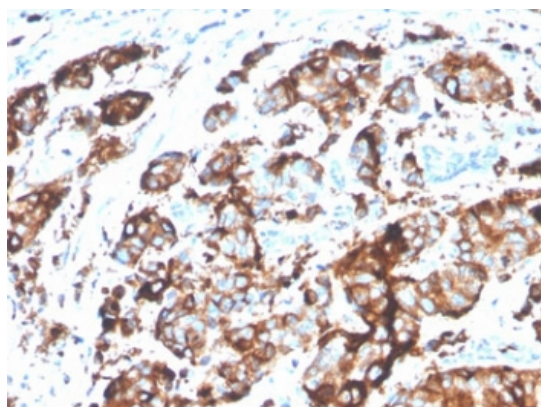
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Clonality	Recombinant
Clone Number	MUC1/4416R
Antibody Type	Primary Antibody
Purity	Protein A/G affinity
Uniprot ID	P15941
Hazard Information	This recombinant Mucin-1 antibody is available for research use only.
Dilution Range	Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml
Expiration Date	12 months from date of receipt.



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.



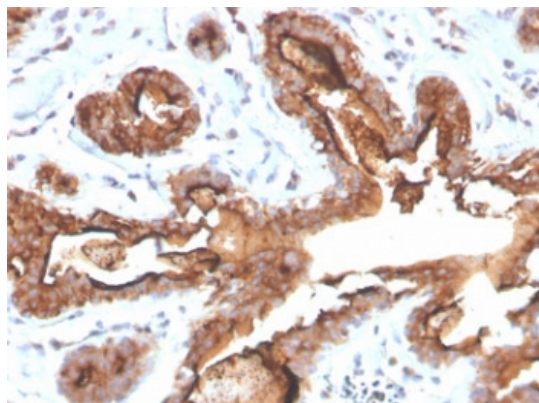
IHC staining of FFPE human breast carcinoma tissue with recombinant Mucin-1 antibody (clone MUC1/4416R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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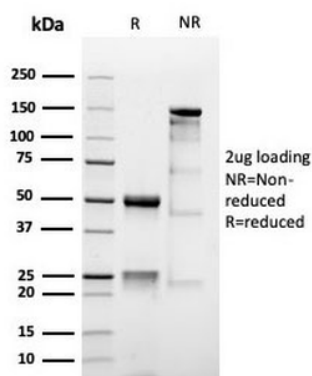
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IHC staining of FFPE human breast carcinoma tissue with recombinant Mucin-1 antibody (clone MUC1/4416R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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

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