

Datasheet for ABIN6144194
anti-MUC1 antibody (AA 1182-1255)[Go to Product page](#)

7 Images

Overview

Quantity:	100 µL
Target:	MUC1
Binding Specificity:	AA 1182-1255
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1182-1255aa of human MUC1 (NP_002708.1).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MUC1
Alternative Name:	MUC1 (MUC1 Products)
Background:	This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins

Target Details

are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. These proteins also play a role in intracellular signaling. This protein is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung, breast stomach and pancreas. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas. This gene is known to contain a highly polymorphic variable number tandem repeats (VNTR) domain. Alternate splicing results in multiple transcript variants.,ADMCKD,ADMCKD1,CA 15-3,CD227,EMA,H23AG,KL-6,MAM6,MCD,MCKD,MCKD1,MUC-1,MUC-1/SEC,MUC-1/X,MUC1/ZD,PEM,PEMT,PUM,MUC1,CA15-3,mucin-1,Cancer,Tumor immunology,Tumor-associated antigens,Invasion and Metastasis,Signal Transduction,ErbB-HER Signaling Pathway,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Immunology & Inflammation,CD markers,MUC1

Molecular Weight: 10-29 kDa/103 kDa/121-122 kDa

Gene ID: 4582

UniProt: [P15941](#)

Pathways: [Negative Regulation of intrinsic apoptotic Signaling](#)

Application Details

Application Notes: WB,1:1000 - 1:3000,IHC,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

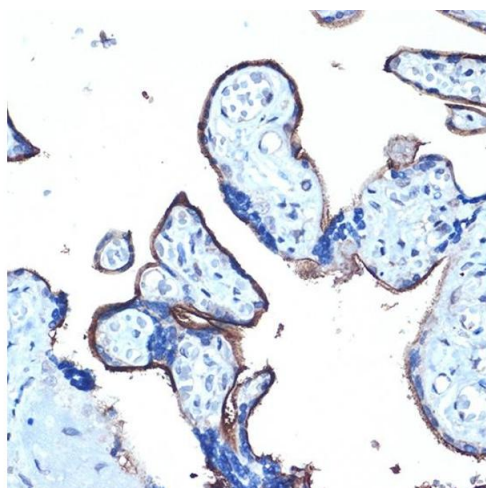
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

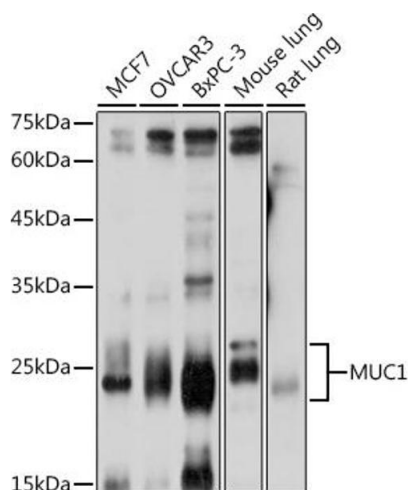
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Validation report #104072 for Immunofluorescence (IF)



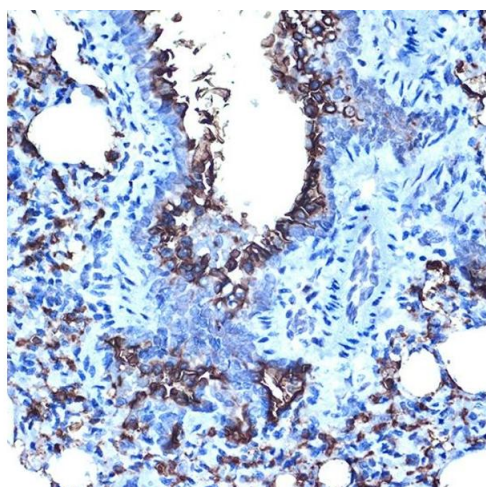
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human placenta using MUC1 Rabbit pAb (ABIN6131522, ABIN6144194, ABIN6144195 and ABIN6213810) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using MUC1 antibody (ABIN6131522, ABIN6144194, ABIN6144195 and ABIN6213810) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat lung using MUC1 Rabbit pAb (ABIN6131522, ABIN6144194, ABIN6144195 and ABIN6213810) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN6144194.