DATASHEET

MUC1 Rabbit Monoclonal Antibody(ARA767)

CAT. NO. ARA6554

KEY FEATURES

Target	MUC1	**Source/Host**	Rabbit
Reactivity	Human	**Clonality**	Monoclonal
Applications	IHC	**Conjugation**	Unconjugated
Storage	at -20°C		

BACKGROUND

The alpha subunit has cell adhesive properties. Can act both as an adhesion and an anti-adhesion protein. May provide a protective layer on epithelial cells against bacterial and enzyme attack.; The beta subunit contains a C-terminal domain which is involved in cell signaling, through phosphorylations and protein-protein interactions. Modulates signaling in ERK, SRC and NF-kappa-B pathways. In activated T-cells, influences directly or indirectly the Ras/MAPK pathway. Promotes tumor progression. Regulates TP53-mediated transcription and determines cell fate in the genotoxic stress response. Binds, together with KLF4, the PE21 promoter element of TP53 and represses TP53 activity.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:100-1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Rabbit Monoclonal Antibody to MUC1
Antibody Type	Primary antibody
Predicted Molecular Weight	122kDa
Immunogen	A synthetic peptide corresponding to residues on the C-terminus of human MUC1 was used as an immunogen.
Purification	ProA affinity purified IgG
Form/Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.42%.
Alternative Names	PUM; Mucin-1; MUC-1; Breast carcinoma-associated antigen DF3; Cancer antigen 15-3; CA 15-3; Carcinoma-associated mucin; Episialin; H23AG; Krebs von den Lungen-6; KL-6; PEMT; Peanut-reactive urinary mucin; PUM; Polymorphic epithelial mucin; PEM; Tumor-associated epithelial membrane antigen; EMA; Tumor-associated mucin; CD227
Gene Symbol	MUC1
Entrez Gene	4582(Human); 17829(Mouse)
SwissProt	P15941

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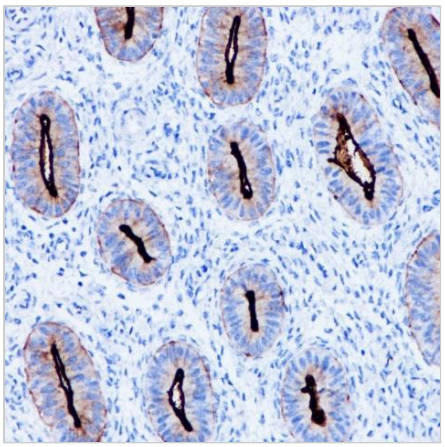
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human Uterus tissue labelling MUC1 with ARA767 at 1:200. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com