Datasheet for ABIN966067

anti-MUC1 antibody (DTRP (Asp-Thr-Arg-Pro))

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Overview

Quantity:	0.5 mL
Target:	MUC1
Binding Specificity:	DTRP (Asp-Thr-Arg-Pro)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Human Milk Fat Globule Membranes
Clone:	B24-1 (GP1-4)
Isotype:	IgG1 kappa
Purification:	Concentrated.

Target Details

Target:	MUC1
Alternative Name:	EMA (MUC1 Products)
Background:	Reacts with human high molecular weight sialomucin, episialin, mucin 1 (MUC-1), or

Target Details

	polymorphic epithelial mucin (PEM). It recognizes the multiple protein epitope that is relatively insensitive to glycosylation. Therefore, it is very sensitive in the detection of episialin expression in different epithelial tissues.
Molecular Weight:	265-400 kDa
Gene ID:	4582
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Immunohistochemistry: (Paraffin/Frozen): 1:50. Staining Procedure: Prolonged fixation in buffered formalin can destroy the epitope. The antibody may be used at a dilution of 1:50 in IHC. It is recommended that this product be used on frozen tissue sections or specimens. The optimal conditions should be determined by the individual laboratory.
Comment:	Cellular Localization: Cell Membrane, Cytoplasmic. Recommended Positive Control: Breast Carcinoma
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.3 mg/ml.
Buffer:	20 mM Tris-Borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing Fetal Bovine Serum, BMC-6 Carrier Polysaccharides, Carrier Protein, pH 7.5
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C

Publications

Product cited in:	Hilkens, Ligtenberg, Vos, Litvinov: "Cell membrane-associated mucins and their adhesion-modulating property." in: **Trends in biochemical sciences**, Vol. 17, Issue 9, pp. 359-63, (1992) (PubMed).

Hilkens, Buijs, Hilgers, Hageman, Calafat, Sonnenberg, van der Valk: "Monoclonal antibodies against human milk-fat globule membranes detecting differentiation antigens of the mammary gland and its tumors." in: **International journal of cancer. Journal international du cancer**, Vol. 34, Issue 2, pp. 197-206, (1984) (PubMed).