Product Datasheet

MUC5AC Antibody (45M1) [DyLight 488]
NBP2-32732G

Unit Size: 0.1 ml

Store at 4C in the dark.

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Publications: 1

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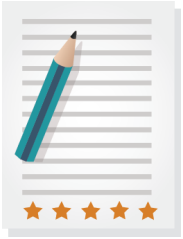
Updated 10/23/2024 v.20.1



NBP2-32732G

MUC5AC Antibody (45M1) [DyLight 488]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	45M1
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	DyLight 488
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	4586
Gene Symbol	MUC5AC
Species	Human, Mouse, Rat, Porcine, Chicken, Feline, Mammal, Monkey, Rabbit, Bovine (Negative)
Reactivity Notes	Hedgehog. Does not react with Bovine. Use in Mouse reported in scientific literature (PMID:34260916)
Specificity/Sensitivity	This monoclonal antibody recognizes the peptide core of gastric mucin M1 (recently identified as Mucin 5AC).Its epitope is located in the C-terminal cysteine rich part of the peptide core of MUC5AC. Its epitope is destroyed by beta-mercaptoethanol but not by periodate treatment. This mucin is present in primary ovarian mucinous cancer but usually absent in colorectal adenocarcinoma, thus showing an expression pattern opposite to MUC2. Together with a panel of antibodies, Anti-MUC5AC may be useful for differential identification of primary mucinous ovarian tumors from colon adenocarcinoma metastatic to the ovary. MUC5AC antibodies may also be useful for identification of intestinal metaplasia as well as in the identification of pancreatic carcinoma and pre-cancerous changes vs. normal pancreas.
Immunogen	M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

Product Application Details	
Applications	Western Blot, Dot Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Dot Blot, Flow (Intracellular), CyTOF-ready
Application Notes	Use in Dot Blot reported in scientific literature (PMID: 31374872). Optimal dilution of this antibody should be experimentally determined.

Publications

Koh K, Bonser L, Eckalbar W et al. Genomic characterization and therapeutic utilization of IL-13-responsive sequences in asthma Cell Genomics 2022-12-01 [PMID: 36777184]

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Products Related to NBP2-32732G

NBP1-43319G-0.5ml	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 488]
H00004586-Q01-10ug	Recombinant Human MUC5AC GST (N-Term) Protein
236-EG-200	EGF [Unconjugated]
NBP2-76703	Human MUC5AC ELISA Kit (Colorimetric)

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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