

Product Datasheet

MUC5AC Antibody (45M1) [Alexa Fluor® 405] NBP2-32732AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-32732AF405

MUC5AC Antibody (45M1) [Alexa Fluor® 405]

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	Alexa Fluor 405
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

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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

Wohnhaas CT, Gindele JA, Kiechle T et al. Cigarette Smoke Specifically Affects Small Airway Epithelial Cell Populations and Triggers the Expansion of Inflammatory and Squamous Differentiation Associated Basal Cells Int J Mol Sci 2021-07-24 [PMID: 34299265]

Details:

This citation used the Alexa Fluor 405 format of this antibody.

Wohnhaas CT Investigation of molecular mechanisms underlying immunological and respiratory disorders using single-cell RNA sequencing Thesis 2022-01-01 (FLOW, IHC-P, Human)





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Products Related to NBP2-32732AF405

IC002V	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 405]
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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