

MUC5AC monoclonal antibody, clone 45M1

Catalog # MAB1466

Size 10 x 100 ug, 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native MUC5AC.
Immunogen	Native purified human MUC5AC.
Host	Mouse
Reactivity	Human
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG1
Recommend Usage	Western Blot (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 1.2% sodium acetate (2 mg BSA, 0.01 mg sodium azide)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 1 mL of 1.2% sodium acetate or neutral PBS and concentration will be 100 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunocytochemistry

Gene Info — MUC5AC

Entrez GeneID	4586
Gene Name	MUC5AC
Gene Alias	MUC5
Gene Description	mucin 5AC, oligomeric mucus/gel-forming
Omim ID	158373
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	gastric mucin mucin 5, subtypes A and C, tracheobronchial/gastric mucin 5AC tracheobronchial m ucin

Publication Reference

- [Abnormalities in MUC5AC and MUC5B Protein in Airway Mucus in Asthma.](#)

Lachowicz-Scroggins ME, Yuan S, Kerr SC, Dunican EM, Yu M, Carrington SD, Fahy JV.
American Journal of Respiratory and Critical Care Medicine 2016 Nov; 194(10):1296.

Application: Func, Human, Healthy and asthmatic sputum

- [Cutting edge: enhanced pulmonary clearance of Pseudomonas aeruginosa by Muc1 knockout mice.](#)

Lu W, Hisatsune A, Koga T, Kato K, Kuwahara I, Lillehoj EP, Chen W, Cross AS, Gendler SJ, Gewirtz AT, Kim KC.
Journal of Immunology 2006 Apr; 176(7):3890.

- [Gene expression patterns in human placenta.](#)

Sood R, Zehnder JL, Druzin ML, Brown PO.
PNAS 2006 Apr; 103(14):5478.

- [MUC1 oncoprotein stabilizes and activates estrogen receptor alpha.](#)

Wei X, Xu H, Kufe D.
Molecular Cell 2006 Jan; 21(2):295.

Application: IP, WB-Tr, Human, Monkey, COS-1, MCF-7, ZR-75-1 cells

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