

Mucin 4 antibody [ZR201]

Cat. No. GTX03684

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	IHC-P
Reactivity	Human

Package
500 µl

PRODUCT

Summary

Mucin 4, a membrane-bound mucin, is the human homolog of the rat sialomucin complex (SMC). The Mucin 4 gene is the predominant mucin gene expressed in the normal urothelium and is also expressed in several normal tissues such as trachea, lung and testis. Dysregulation of mucin 4 results in high levels of expression in pancreatic tumors and tumor cell lines. Induction of mucin 4 in pancreatic carcinoma by alltrans-retinoic acid is mediated through the retinoic acid receptor- α signaling pathway. MUC-4 is a very specific (100%) and sensitive (90%) marker of lung adenocarcinomas and is negative for mesotheliomas. MUC4 is expressed in many human adenocarcinomas. It is specifically expressed in lowgrade fibromyxoid sarcoma. Reportedly, MUC-4 expression in invasive ductal carcinoma of the pancreas is an independent factor for poor prognosis.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
IHC-P	Assay dependent

Not tested in other applications.

Properties

Form	Liquid
Buffer	Tris-HCl, 0.2% BSA
Preservative	0.09% sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
Concentration	batch dependent (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant fragment (around aa 1730-1864) of human MUC4 prote
Purification	Purified IgG
Conjugation	Unconjugated



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Note

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