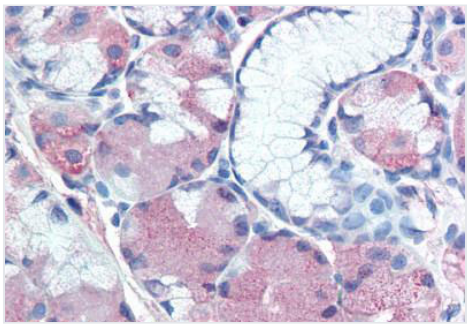
MUC13 Antibody – Rabbit Polyclonal

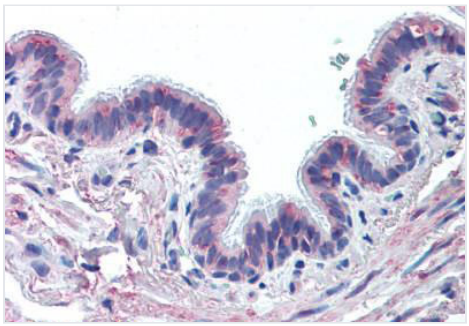
PRODUCT OVERVIEW

Product Name	MUC13, Polyclonal Antibody
Full Product Name	Rabbit Polyclonal to Human MUC13
Product Gene Name	anti-MUC13 antibody
Product Synonym Names	Anti-MUC13 Antibody (Extracellular Domain) IHC-plus; MUC13; DRCC1; MUC-13; RECC; Mucin-13; Human MUC13
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human **Predicted Reactivity:** Gorilla (at least 90% immunogen sequence identity)
Form/Format	PBS, 0.1% sodium azide.
Purity/Purification	Immunoaffinity Purified
Concentration	1 mg/ml (lot specific)
Specificity	Human MUC13. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C
Molecular Weight	54,604 Da
OMIM	612181
3D Structure	ModBase 3D Structure for Q9H3R2
Target Species	Human
Immunogen Description	Synthetic 17 amino acid peptide from extracellular domain of human MUC13. Percent identity with other species by BLAST analysis: Human (100%); Gorilla (94%); Gibbon (88%); Monkey (82%).
Immunogen Type	Synthetic peptide
Immunogen	MUC13 antibody was raised against synthetic 17 amino acid peptide from extracellular domain of human MUC13. Percent identity with other species by BLAST analysis: Human (100%); Gorilla (94%); Gibbon (88%); Monkey (82%).
Antigen Modification	Extracellular Domain
Applications Tested/Suitable for anti-MUC13 antibody	Immunohistochemistry (IHC - Paraffin)
Application Notes for anti-MUC13 antibody	IHC-P (10 - 15 ug/ml)
Related Product Information for anti-MUC13 antibody	Mucin 13 (MUC13) is a member of the epithelial mucin family of secreted and cell-surface glycoproteins expressed by ductal and glandular epithelial tissues. These transmembrane mucins are involved in barrier functions in epithelial tissues. Biochemical studies have shown that Mucin 13 is cleaved into two subunits and that the subunit containing the cytoplasmic tail undergoes homodimerization.
Other Notes	Small volumes of anti-MUC13 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for MUC13 purchase	MBS242710 is an antibody targeting MUC13. Also known as Rabbit Polyclonal to Human MUC13. Reactive in Human **Predicted Reactivity:** Gorilla (at least 90% immunogen sequence identity). Host: Rabbit.



Immunohistochemistry (IHC) of anti-MUC13 antibody
Anti-MUC13 antibody IHC of human stomach. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry (IHC) of anti-MUC13 antibody
Anti-MUC13 antibody IHC of human lung, respiratory epithelium. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MUC13. It may not necessarily be applicable to this product.

NCBI GI #	51593090
NCBI GeneID	56667
NCBI Accession #	NP_149038.2
UniProt Primary Accession #	Q9H3R2
UniProt Secondary Accession #	Q6UWD9; Q9NXT5
UniProt Related Accession #	Q9H3R2
GenBank Nucleotide #	NM_033049.2
NCBI Official Full Name	mucin-13
NCBI Official Synonym Full Names	mucin 13, cell surface associated
NCBI Official Symbol	MUC13
NCBI Official Synonym Symbols	DRCC1; MUC-13
UniProt Protein Name	Mucin-13
UniProt Synonym Protein Names	Down-regulated in colon cancer 1
Protein Family	Mucin
UniProt Gene Name	MUC13
UniProt Synonym Gene Names	DRCC1; RECC; MUC-13
UniProt Entry Name	MUC13_HUMAN
NCBI Protein Information	mucin-13; down-regulated in colon cancer 1; mucin 13, epithelial transmembrane
NCBI Summary for MUC13	Epithelial mucins, such as MUC13, are a family of secreted and cell surface glycoproteins expressed by ductal and glandular epithelial tissues (Williams et al., 2001 [PubMed 11278439]).[supplied by OMIM, Jul 2008]

UniProt Comments for MUC13	MUC13: Epithelial and hemopoietic transmembrane mucin that may play a role in cell signaling. Protein type: Membrane protein, integral; Cell adhesion Chromosomal Location of Human Ortholog: 3q21.2 Cellular Component: extracellular space; Golgi lumen; apical plasma membrane; integral to membrane; cytosol Molecular Function: protein homodimerization activity Biological Process: protein amino acid O-linked glycosylation; cellular protein metabolic process; O-glycan processing; maintenance of gastrointestinal epithelium; post-translational protein modification
Research Articles on MUC13	**1.** Overexpression of MUC13 is associated with pancreatic neuroendocrine tumors.
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