

ARG43052 anti-MUC13 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MUC13
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MUC13
Species	Human
Immunogen	Recombinant protein corresponding to E226-S312 of Human MUC13.
Conjugation	Un-conjugated
Alternate Names	MUC-13; DRCC1; Mucin-13; Down-regulated in colon cancer 1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

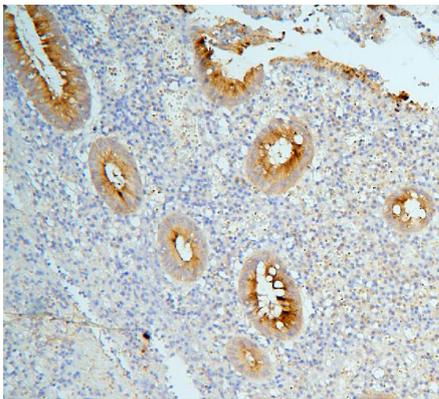
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

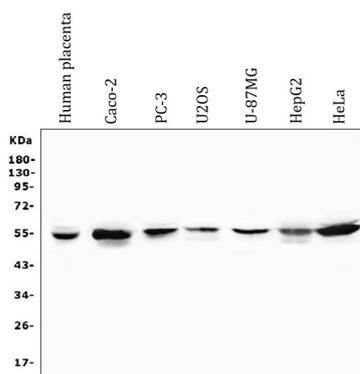
Gene Symbol	MUC13
Gene Full Name	mucin 13, cell surface associated
Background	Epithelial mucins, such as MUC13, are a family of secreted and cell surface glycoproteins expressed by ductal and glandular epithelial tissues (Williams et al., 2001 [PubMed 11278439]).[supplied by OMIM, Jul 2008]
Function	Epithelial and hemopoietic transmembrane mucin that may play a role in cell signaling. [UniProt]
Calculated Mw	55 kDa
PTM	Cleaved into two subunits, alpha and beta, probably between the first EGF domain and the SEA domain. Beta subunit contains the cytoplasmic tail and alpha subunit the extracellular tail. The homooligomerization into dimers is dependent on intrachain disulfide bonds. Highly N-glycosylated. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Apical cell membrane. Secreted. Note=Also exists as a soluble form. [UniProt]

Images



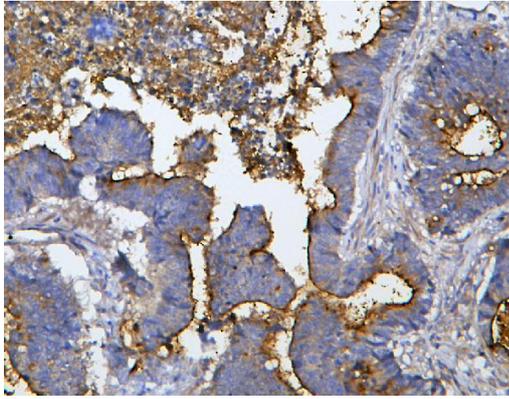
ARG43052 anti-MUC13 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human appendicitis tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43052 anti-MUC13 antibody at 1 µg/ml dilution, overnight at 4°C.



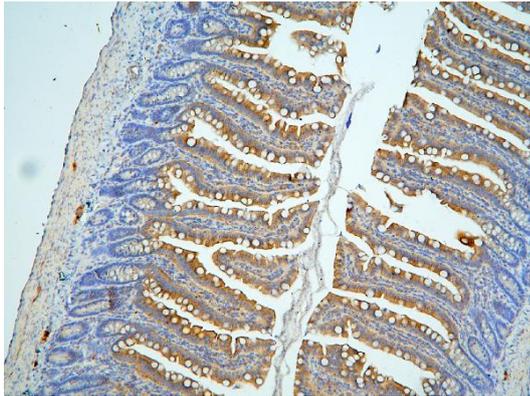
ARG43052 anti-MUC13 antibody WB image

Western blot: 50 µg of sample under reducing conditions. Human placenta, Caco-2, PC-3, U2OS, U-87MG, HepG2 and HeLa whole cell lysates stained with ARG43052 anti-MUC13 antibody at 0.5 µg/ml dilution, overnight at 4°C.



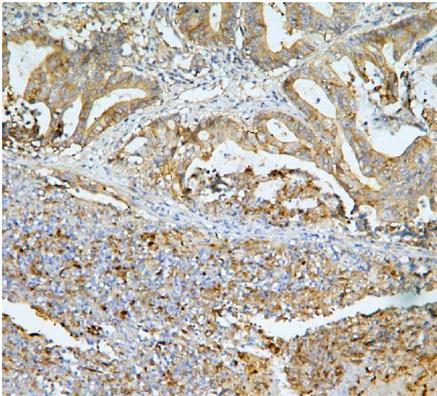
ARG43052 anti-MUC13 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43052 anti-MUC13 antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



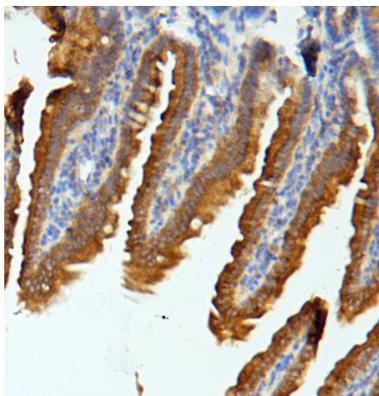
ARG43052 anti-MUC13 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43052 anti-MUC13 antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



ARG43052 anti-MUC13 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human rectal cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43052 anti-MUC13 antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



ARG43052 anti-MUC13 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43052 anti-MUC13 antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.