

Product datasheet for **AP08125PU-L**

MUC2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	Suitable for Immunohistochemistry and Immunocytochemistry (Frozen or Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections and cell smears). For IHC dilute concentrated antibody at 1/50-1/200 using streptavidin-Biotin system or polymer system. For FFPE tissue sections high temperature antigen retriever (boiling tissue in 10 mM Citrate buffer for 10 min) enhances the signal and may require further dilution of antibody. <i>Positive Control:</i> Human colon carcinoma, LS 174 T colon cancer cell line.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic MUC2 (23 aa) tandem repeat consensus sequence.
Specificity:	This antibody stains normal colon and colonic carcinomas where it produces intense perinuclear staining in goblet cells. It also reacts with normal and neoplastic breast tissues and with prostate carcinoma. Cellular localization: Cytoplasmic, perinuclear staining of goblet cells.
Formulation:	10 mM PO ₄ , 200 mM NaCl, pH 7.4 containing 0.05% Sodium Azide as preservative and 1% BSA as stabilizer. State: Purified State: Liquid purified Total IgG fraction.
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	mucin 2, oligomeric mucus/gel-forming



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Database Link: [Entrez Gene 4583 Human Q02817](#)

Background: Mucin 2, oligomeric mucus/gel-forming, also known as MUC2, is a human intestinal mucin gene. This gene is expressed in colon, small intestine, colonic tumors, bronchus, cervix, gall bladder, and possibly other tissues. Mucins are high molecular weight glycoproteins having oligosaccharides attached to serine or threonine residue of the apomucin protein backbone by O-glycosidic linkages.

Synonyms: MUC-2, MUC2, SMUC, Intestinal mucin-2