

**MUC3B Antibody (C-term E881) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11777b**

**Specification**

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**MUC3B Antibody (C-term E881) Blocking peptide - Product Information**

Primary Accession [Q9H195](#)

**MUC3B Antibody (C-term E881) Blocking peptide - Additional Information**

**Other Names**

Mucin-3B, MUC-3B, Intestinal mucin-3B, MUC3B

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**MUC3B Antibody (C-term E881) Blocking peptide - Protein Information**

**Name** MUC3B ([HGNC:13384](#))

**Function**

Major glycoprotein component of a variety of mucus gels. Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces (By similarity).

**Cellular Location**

Membrane; Single-pass membrane protein

**Tissue Location**

Fetal and adult small intestine and fetal and adult colon.

**MUC3B Antibody (C-term E881) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**MUC3B Antibody (C-term E881) Blocking peptide - Images**

**MUC3B Antibody (C-term E881) Blocking peptide - Background**

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of  $\text{Ca}^{2+}$ -induced  $\text{Ca}^{2+}$  release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies.

#### **MUC3B Antibody (C-term E881) Blocking peptide - References**

Marlatt, N.M., et al. Protein Expr. Purif. 73(1):58-64(2010) van Dieck, J., et al. FEBS Lett. 584(15):3269-3274(2010) Sviatoha, V., et al. Melanoma Res. 20(2):118-125(2010) DeRycke, M.S., et al. Am. J. Clin. Pathol. 132(6):846-856(2009) Yusenkov, M.V., et al. Int. J. Biol. Sci. 5(6):517-527(2009)