

COL13A1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP11858a**Specification**

COL13A1 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q5TAT6](#)**COL13A1 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 1305**Other Names**

Collagen alpha-1(XIII) chain, COLXIII A1, COL13A1 (HGNC:2190)

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.

COL13A1 Antibody (N-term) Blocking peptide - Protein Information**Name** COL13A1 ([HGNC:2190](#))**Function**

Involved in cell-matrix and cell-cell adhesion interactions that are required for normal development. May participate in the linkage between muscle fiber and basement membrane. May play a role in endochondral ossification of bone and branching morphogenesis of lung. Binds heparin. At neuromuscular junctions, may play a role in acetylcholine receptor clustering (PubMed:26626625).

Cellular Location

Cell membrane; Single-pass type II membrane protein Postsynaptic cell membrane

Tissue Location

Widely expressed in both fetal and adult ocular tissues (at protein level). In the eye, expression is accentuated in the ciliary muscle, optic nerve and the neural retina. In early placenta, localized to fibroblastoid stromal cells of the placental villi, to endothelial cells of developing capillaries and to cells of the cytotrophoblastic columns. Also detected in large decidual cells of the decidual membrane and to stromal cells of the gestational endometrium, but not in the epithelial cells in the endometrial glands Isoform 10: Expressed in muscle (PubMed:26626625)

COL13A1 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

COL13A1 Antibody (N-term) Blocking peptide - Images**COL13A1 Antibody (N-term) Blocking peptide - Background**

IRF1 encodes interferon regulatory factor 1, a member of the interferon regulatory transcription factor (IRF) family. IRF1 serves as an activator of interferons alpha and beta transcription, and in mouse it has been shown to be required for double-stranded RNA induction of these genes. IRF1 also functions as a transcription activator of genes induced by interferons alpha, beta, and gamma. Further, IRF1 has been shown to play roles in regulating apoptosis and tumor-suppression.

COL13A1 Antibody (N-term) Blocking peptide - References

Silva, L.K., et al. Eur. J. Hum. Genet. 18(11):1221-1227(2010) Matsuzaki, S., et al. J. Immunol. 185(8):4863-4872(2010) Antonios, D., et al. J. Immunol. 185(1):89-98(2010) Lou, Y.J., et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi 27(3):255-258(2010) Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)