

P3H3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP4702b**Specification**

P3H3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q8IVL6](#)**P3H3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10536**Other Names**

Prolyl 3-hydroxylase 3, Leprecan-like protein 2, Protein B, LEPREL2, P3H3

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.

P3H3 Antibody (C-term) Blocking Peptide - Protein Information**Name** P3H3 ([HGNC:19318](#))**Function**

Part of a complex composed of PLOD1, P3H3 and P3H4 that catalyzes hydroxylation of lysine residues in collagen alpha chains and is required for normal assembly and cross-linking of collagen fibrils. Required for normal hydroxylation of lysine residues in type I collagen chains in skin, bone, tendon, aorta and cornea. Required for normal skin stability via its role in hydroxylation of lysine residues in collagen alpha chains and in collagen fibril assembly. Apparently not required for normal prolyl 3-hydroxylation on collagen chains, possibly because it functions redundantly with other prolyl 3-hydroxylases.

Cellular Location

Endoplasmic reticulum {ECO:0000255|PROSITE- ProRule:PRU10138}

Tissue Location

Detected in fetal cartilage (at protein level) (PubMed:28115524). Weak expression in heart, lung, ovary and skeletal muscle (PubMed:8723724).

P3H3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

P3H3 Antibody (C-term) Blocking Peptide - Images

P3H3 Antibody (C-term) Blocking Peptide - Background

LEPREL2 belongs to a family of collagen prolyl hydroxylases required for proper collagen biosynthesis, folding, and assembly.

P3H3 Antibody (C-term) Blocking Peptide - References

Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009)Chapuis, J., et al. Mol. Psychiatry 14(11):1004-1016(2009)Vranka, J.A., et al. J. Biol. Chem. 279(22):23615-23621(2004)