

COL25A1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6964a**Specification**

COL25A1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9BXS0](#)**COL25A1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 84570**Other Names**

Collagen alpha-1(XXV) chain, Alzheimer disease amyloid-associated protein, AMY, CLAC-P, Collagen-like Alzheimer amyloid plaque component, CLAC, COL25A1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=18603)
HGNC:18603

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6964a](/products/AP6964a) was selected from the N-term region of human COL25A1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

COL25A1 Antibody (N-term) Blocking Peptide - Protein Information**Name** COL25A1 ([HGNC:18603](#))**Function**

Inhibits fibrillization of amyloid-beta peptide during the elongation phase. Has also been shown to assemble amyloid fibrils into protease-resistant aggregates. Binds heparin.

Cellular Location

Membrane; Single-pass type II membrane protein. Note=After proteolytic cleavage, CLAC is secreted

Tissue Location

Expressed predominantly in brain. Deposited preferentially in primitive or neuritic amyloid plaques

which are typical of Alzheimer disease.

COL25A1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

COL25A1 Antibody (N-term) Blocking Peptide - Images

COL25A1 Antibody (N-term) Blocking Peptide - Background

COL25A1 is a brain-specific membrane-bound collagen. Proteolytic processing releases CLAC, a soluble form of COL25A1 containing the extracellular collagen domains that associates with senile plaques in Alzheimer disease.

COL25A1 Antibody (N-term) Blocking Peptide - References

Kakuyama,H., et.al., Biochemistry 44 (47), 15602-15609 (2005)