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COL25A1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6964a

Specification

COL25A1 Antibody (N-term) Blocking Peptide - Product Information

Primary 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 (HGNC:18603)

Target/Specificity
The synthetic peptide sequence used to generate the antibody 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)