

ARG44317 anti-COL25A1 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes COL25A1
Tested Reactivity	Hu, Ms
Tested Application	WB
Specificity	This antibody is design for isoform 3
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	COL25A1
Species	Human
Immunogen	Synthetic peptide
Conjugation	Un-conjugated
Alternate Names	COL25A1; Collagen Type XXV Alpha 1 Chain; Alzheimer Disease Amyloid-Associated Protein; Collagen Alpha-1(XXV) Chain; CLAC-P; AMY; Collagen-Like Alzheimer Amyloid Plaque Component; Collagenous Alzheimer Amyloid Plaque Component; Collagen, Type XXV, Alpha 1; CFEOM5; CLACP; CLAC

Application Instructions

Application table	Application	Dilution
	WB	1:500-1:1000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Antigen Affinity Purified
Buffer	PBS with 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	COL25A1
Gene Full Name	Collagen Type XXV Alpha 1 Chain
Background	This gene encodes a brain-specific membrane associated collagen. A product of proteolytic processing of the encoded protein, CLAC (collagenous Alzheimer amyloid plaque component), binds to amyloid beta-peptides found in Alzheimer amyloid plaques but CLAC inhibits rather than facilitates amyloid fibril elongation (PMID: 16300410). A study of over-expression of this collagen in mice, however, found changes in pathology and behavior suggesting that the encoded protein may promote amyloid plaque formation (PMID: 19548013). Multiple transcript variants encoding different isoforms have been found for this gene.
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.
Calculated Mw	58 kDa
PTM	Glycoprotein, Hydroxylation, Pyrrolidone carboxylic acid
Cellular Localization	Amyloid, Membrane