

## 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