

Rabbit anti-Human, Mouse Collagen XXV alpha1 Polyclonal Antibody | anti-COL25A1 antibody

Collagen XXV alpha1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324244	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

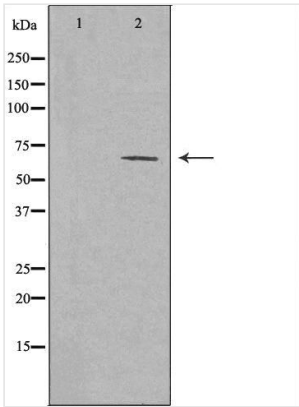
PRODUCT SYNONYMS

Collagen XXV alpha1; Polyclonal Antibody; Collagen XXV alpha1 Antibody; Alzheimer disease amyloid associated protein; Alzheimer disease amyloid-associated protein; AMY; CLAC; CLAC P; CLAC precursor; CLAC-P; Col25a1; COL25A1 protein; Collagen alpha 1 XXV chain; Collagen alpha 1(XXV) chain; Collagen like Alzheimer amyloid plaque component; Collagen like Alzheimer amyloid plaque component precursor; Collagen type XXV alpha 1; Collagen-like Alzheimer amyloid plaque component; Collagenous Alzheimer amyloid plaque component; COPA1_HUMAN; anti-COL25A1 antibody

PRODUCT SPECIFICATIONS

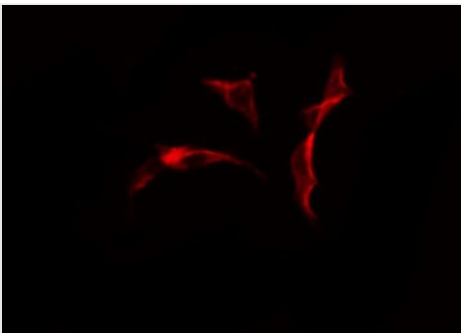
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Collagen XXV alpha1 antibody detects endogenous levels of total Collagen XXV alpha1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	642
Applicable Applications for anti-COL25A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	Expressed predominantly in brain. Deposited preferentially in primitive or neuritic amyloid plaques which are typical of Alzheimer disease.
Predicted Cross Reactivity	Pig, Rabbit
Similarity	Pig (100%), Rabbit (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using Collagen XXV antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324244 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-COL25A1 antibody	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. Subunit Structure: Forms homodimers and homotrimers. Binds to the fibrillized forms of amyloid-beta protein 40 (beta-APP40) and amyloid-beta protein 42 (beta-APP42). Found associated with beta-APP42 more frequently than with beta-APP40. Post-translational Modifications: Undergoes proteolytic cleavage by furin protease to yield the soluble collagen-like Alzheimer amyloid plaque component. Glycosylated. Hydroxylated on 11% of proline residues and 49% of lysine residues.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38570073
NCBI GeneID	84570
NCBI Accession #	NP_115907.2
NCBI GenBank Nucleotide #	NM_032518.2
UniProt Accession #	Q9BXS0; Q9BXR9; A8MPZ6
Molecular Weight	Observed: 64 kD Predicted: 65 kDa
NCBI Official Full Name	collagen alpha-1(XXV) chain isoform 2
NCBI Official Synonym Full Names	collagen type XXV alpha 1 chain
NCBI Official Symbol	COL25A1
NCBI Official Synonym Symbols	AMY; CLAC; CLACP; CFEOM5; CLAC-P
NCBI Protein Information	collagen alpha-1(XXV) chain
UniProt Protein Name	Collagen alpha-1(XXV) chain
UniProt Gene Name	COL25A1
UniProt Synonym Gene Names	AMY; CLAC

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

