

Rabbit anti-Human, Mouse COL25A1 Polyclonal Antibody | anti-COL25A1 antibody

COL25A1 Polyclonal Antibody

CATALOG # AAA175915	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry
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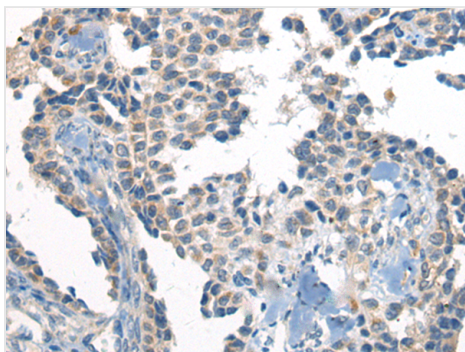
PRODUCT SYNONYMS

COL25A1; Polyclonal Antibody; COL25A1 Polyclonal Antibody; CLAC-P; AMY; Collagen-Like Alzheimer Amyloid Plaque Component; anti-COL25A1 antibody

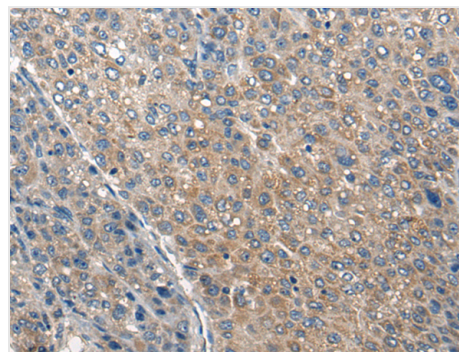
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4
Sequence Length	642
Applicable Applications for anti-COL25A1 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human COL25A1
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using COL25A1 Polyclonal Antibody at dilution of 1:30 (x200)


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using COL25A1 Polyclonal Antibody at dilution of 1:30 (x200)

ADDITIONAL INFORMATION

Related Product Information for anti-COL25A1 antibody	COL25A1 (Collagen Type XXV Alpha 1 Chain) is a Protein Coding gene. Diseases associated with COL25A1 include Fibrosis Of Extraocular Muscles, Congenital, 5 and Ptosis, Congenital. Among its related pathways are Phospholipase-C Pathway and Degradation of the extracellular matrix. GO annotations related to this gene include heparin binding and beta-amyloid binding. An important paralog of this gene is COL22A1.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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38570073
NCBI GeneID	84570
NCBI Accession #	NP942014
NCBI GenBank Nucleotide #	NP_115907.2
UniProt Accession #	Q9BXS0
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
UniProt Entry Name	COPA1_HUMAN

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.