

Anti-Human/Mouse COL25A1 Polyclonal Antibody
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Cat.NO.: PA04543

3th Edition

Description: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.

Antigen:Synthetic peptide from human protein

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application:This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity:Expressed predominantly in brain. Deposited preferentially in primitive or neuritic amyloid plaques which are typical of Alzheimer disease.