



Mouse anti-Human COL25A1 monoclonal antibody, clone 2E3 (CABT-B10011)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	COL25A1 (NP_942014, 57 a.a. ~ 123 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	2E3
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	NDLQARIAALESAKGAPSIHLLPDTLDHLKTMVQEKVERLLAQKSYEHMAKIRIAREAPS ECNCPA*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a brain-specific membrane associated collagen. A product of proteolytic processing of the encoded protein, CLAC (collagenous Alzheimer amyloid plaque component),
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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. [provided by RefSeq, Dec 2011]

Keywords	COL25A1; collagen, type XXV, alpha 1; AMY; CLAC; CLACP; CLAC-P; collagen alpha-1(XXV) chain; alzheimer disease amyloid-associated protein; collagenous Alzheimer amyloid plaque component; collagen-like Alzheimer amyloid plaque component;
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GENE INFORMATION

Entrez Gene ID [84570](#)

UniProt ID [Q9BXS0](#)

Function beta-amyloid binding; heparin binding