



Mouse anti-Human COL4A3BP monoclonal antibody, clone 2B2 (CABT-B10012)

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

PRODUCT INFORMATION

Immunogen	COL4A3BP (NP_112729, 499 a.a. ~ 599 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	2B2
Conjugate	Unconjugated
Applications	sELISA, ELISA
Sequence Similarities	TWIVCNFSVDHDSAPLNNRCVRAKINVAMICQTLVSPPEGNQEISRDNILCKITYVANVN PGGWAPASVLRVAKREYPKFLKRFTSYVQEKTAGKPILF*
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 kinase that specifically phosphorylates the N-terminal region of the non-collagenous domain of the alpha 3 chain of type IV collagen, known as the Goodpasture
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antigen. Goodpasture disease is the result of an autoimmune response directed at this antigen. One isoform of this protein is also involved in ceramide intracellular transport. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Keywords	COL4A3BP; collagen, type IV, alpha 3 (Goodpasture antigen) binding protein; CERT; GPBP; CERTL; STARD11; collagen type IV alpha-3-binding protein; hCERT; ceramide transporter; ceramide transfer protein; lipid-transfer protein CERTL; StAR-related lipid transfer (START) domain containing 11;
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GENE INFORMATION

Entrez Gene ID	10087
UniProt ID	Q9Y5P4
Pathway	Metabolism of lipids and lipoproteins, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem
Function	ceramide binding; phosphatidylinositol-4-phosphate binding; protein binding; protein kinase activity
