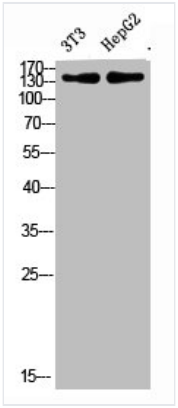
COL17A1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	COL17A1, Polyclonal Antibody
Full Product Name	COL17A1 Antibody
Product Gene Name	anti-COL17A1 antibody
Product Synonym Names	COL17A1 BP180 BPAG2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, Containing 0.02% Sodium Azide as Preservative and 50% Glycerol.
Purity/Purification	Affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
OMIM	113811
3D Structure	ModBase 3D Structure for Q9UMD9
Immunogen	Synthetic peptide from AA range: 481-530
Immunogen Species	Homo sapiens (Human)
Target Names	COL17A1
Product Categories/Family for anti-COL17A1 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-COL17A1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-COL17A1 antibody	WB: 1:500-10000 ELISA: 1:10000
Related Product Information for anti-COL17A1 antibody	MBS7122990 is an antibody targeting COL17A1. Also known as COL17A1 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-COL17A1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-COL17A1 antibody
Western Blot analysis of 3T3, hepg2 cells using Antibody diluted at 500

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COL17A1. It may not necessarily be applicable to this product.

NCBI GI #	119829187
NCBI GeneID	1308
NCBI Accession #	NP_000485.3
UniProt Primary Accession #	Q9UMD9
UniProt Secondary Accession #	Q02802; Q5JV36; Q99018; Q9NQK9; Q9UC14
UniProt Related Accession #	Q9UMD9
GenBank Nucleotide #	NM_000494.3
NCBI Official Full Name	collagen alpha-1(XVII) chain
NCBI Official Synonym Full Names	collagen, type XVII, alpha 1
NCBI Official Symbol	COL17A1
NCBI Official Synonym Symbols	BP180; BPA-2; BPAG2; LAD-1; BA16H23.2
UniProt Protein Name	Collagen alpha-1(XVII) chain
UniProt Synonym Protein Names	180 kDa bullous pemphigoid antigen 2; Bullous pemphigoid antigen 2Cleaved into the following 2 chains:120 kDa linear IgA disease antigen; Alternative name(s):; 120 kDa linear IgA dermatosis antigen; Linear IgA disease antigen 1; LAD-197 kDa linear IgA disease antigen; Alternative name(s):; 97 kDa linear IgA bullous dermatosis antigen; 97 kDa LAD antigen; 97-LAD; Linear IgA bullous disease antigen of 97 kDa
UniProt Gene Name	COL17A1
UniProt Synonym Gene Names	BP180; BPAG2; LAD-1; 97 kDa LAD antigen; 97-LAD; LABD97
UniProt Entry Name	COHA1_HUMAN
NCBI Protein Information	collagen alpha-1(XVII) chain; collagen alpha-1(XVII) chain; alpha 1 type XVII collagen; type XVII collagen alpha-1; collagen XVII, alpha-1 polypeptide; 180 kDa bullous pemphigoid antigen 2; bullous pemphigoid antigen 2 (180kD); bA16H23.2 (collagen, type X
NCBI Summary for COL17A1	This gene encodes the alpha chain of type XVII collagen. Unlike most collagens, collagen XVII is a transmembrane protein. Collagen XVII is a structural component of hemidesmosomes, multiprotein complexes at the dermal-epidermal basement membrane zone that mediate adhesion of keratinocytes to the underlying membrane. Mutations in this gene are associated with both generalized atrophic benign and junctional epidermolysis bullosa. Two homotrimeric forms of type XVII collagen exist. The full length form is the transmembrane protein. A soluble form, referred to as either ectodomain or LAD-1, is generated by proteolytic processing of the full length form. [provided by RefSeq, Jul 2008]

UniProt Comments for COL17A1	COL17A1: May play a role in the integrity of hemidesmosome and the attachment of basal keratinocytes to the underlying basement membrane. Defects in COL17A1 are a cause of generalized atrophic benign epidermolysis bullosa (GABEB). GABEB is a non- lethal, adult form of junctional epidermolysis bullosa characterized by life-long blistering of the skin, associated with hair and tooth abnormalities. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Motility/polarity/chemotaxis; Extracellular matrix Chromosomal Location of Human Ortholog: 10q24.3 Cellular Component: collagen; hemidesmosome; endoplasmic reticulum lumen; integral to plasma membrane; plasma membrane; extracellular region; basement membrane; intercellular junction Molecular Function: protein binding Biological Process: collagen catabolic process; extracellular matrix disassembly; extracellular matrix organization and biogenesis; epidermis development; hemidesmosome assembly; cell-matrix adhesion Disease: Epidermolysis Bullosa, Junctional, Non-herlitz Type
Research Articles on COL17A1	**1.** Missense mutation R1303Q in COL17a1 causes junctional epidermolysis bullosa phenotype similar to Kindler syndrome.
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