



Rabbit Anti-COL6A5 antibody

SL11047R

Product Name:	COL6A5
Chinese Name:	6型Collagen protein α 5抗体
Alias:	Collagen VI alpha 5; CO6A5_HUMAN; COL29A1; Col6a5; Collagen alpha-1(XXIX) chain; Collagen alpha-5(VI) chain; Collagen, type VI, alpha 5; Collagen, type XXIX, alpha-1; Gm7455; von Willebrand factor A domain-containing protein 4; VWA4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	288kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human COL6A5/Collagen VI alpha 5:121-220/2615
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene is a collagen that contains N- and C-terminal von Willebrand factor A-like domains. The encoded protein may interact with the alpha 1 and alpha 2 chains of collagen VI to form the complete collagen VI trimer. Sequence polymorphisms in this gene have been linked to atopic dermatitis (eczema). Two

transcript variants, one protein-coding and the other probably not protein-coding, have been found for this gene.

Function:

Collagen VI acts as a cell-binding protein.

Subunit:

Trimers composed of three different chains: alpha-1(VI), alpha-2(VI), and alpha-3(VI) or alpha-5(VI) or alpha-6(VI)

Subcellular Location:

Secreted, extracellular space, extracellular matrix. Note=Deposed in the extracellular matrix of skeletal muscle.

Tissue Specificity:

Expressed in skin, followed by lung, small intestine, colon and testis. In skin, it is expressed in the epidermis with strongest staining in suprabasal viable layers. In ATOD patients, it is absent in the most differentiated upper spinous and granular layers (at protein level).

Post-translational modifications:

Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains

DISEASE:

Note=Patients affected by atopic dermatitis display an abnormal distribution of COL29A1 mRNA and protein in skin suggesting that COL29A1 may be involved in the pathogenesis of the disease.

Similarity:

Belongs to the type VI collagen family.
Contains 10 VWFA domains.

SWISS:

A8TX70

Gene ID:

256076

Database links:

[Entrez Gene: 256076](#) Human

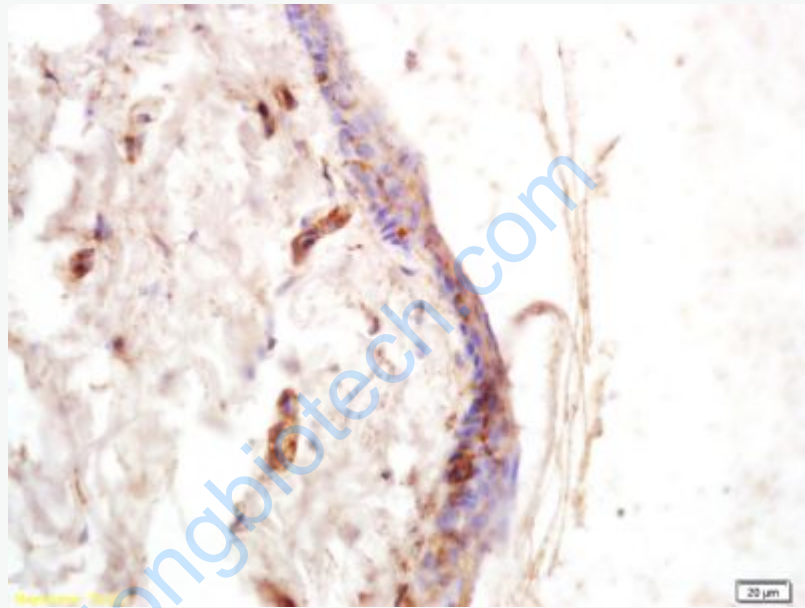
[Omir: 611916](#) Human

[SwissProt: A8TX70](#) Human

[Unigene: 205403](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Tissue/cell: rat skin tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-COL6A5/Collagen VI alpha 5 Polyclonal Antibody, Unconjugated(SL11047R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining