

Goat Anti-Collagen, type VII Antibody
Peptide-affinity purified goat antibody
Catalog # AF1263a

Specification

Goat Anti-Collagen, type VII Antibody - Product Information

Application	WB
Primary Accession	Q02388
Other Accession	NP_000085 , 1294 , 12836 (mouse)
Reactivity	Rat
Predicted	Human, Mouse, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	295220

Goat Anti-Collagen, type VII Antibody - Additional Information

Gene ID 1294

Other Names

Collagen alpha-1(VII) chain, Long-chain collagen, LC collagen, COL7A1

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Collagen, type VII Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Collagen, type VII Antibody - Protein Information

Name COL7A1

Function

Stratified squamous epithelial basement membrane protein that forms anchoring fibrils which may contribute to epithelial basement membrane organization and adherence by interacting with extracellular matrix (ECM) proteins such as type IV collagen.

Cellular Location

Secreted, extracellular space, extracellular matrix, basement membrane

Goat Anti-Collagen, type VII Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-Collagen, type VII Antibody - Images



AF1263a (0.5 µg/ml) staining of rat testis lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Collagen, type VII Antibody - Background

This gene encodes the alpha chain of type VII collagen. The type VII collagen fibril, composed of three identical alpha collagen chains, is restricted to the basement zone beneath stratified squamous epithelia. It functions as an anchoring fibril between the external epithelia and the underlying stroma. Mutations in this gene are associated with all forms of dystrophic epidermolysis bullosa. In the absence of mutations, however, an acquired form of this disease can result from an autoimmune response made to type VII collagen.

Goat Anti-Collagen, type VII Antibody - References

Type VII collagen: the anchoring fibril protein at fault in dystrophic epidermolysis bullosa. Chung HJ, et al. *Dermatol Clin*, 2010 Jan. PMID 19945621.

Forty-two novel COL7A1 mutations and the role of a frequent single nucleotide polymorphism in the MMP1 promoter in modulation of disease severity in a large European dystrophic epidermolysis bullosa cohort. Kern JS, et al. *Br J Dermatol*, 2009 Nov. PMID 19681861.

Long-term follow-up of patients with recessive dystrophic epidermolysis bullosa in the Netherlands: expansion of the mutation database and unusual phenotype-genotype correlations. van den Akker PC, et al. *J Dermatol Sci*, 2009 Oct. PMID 19665875.

Increased invasive behaviour in cutaneous squamous cell carcinoma with loss of basement-membrane type VII collagen. Martins VL, et al. *J Cell Sci*, 2009 Jun 1. PMID 19435799.

Collagen mRNA levels changes during colorectal cancer carcinogenesis. Skovbjerg H, et al. *BMC Cancer*, 2009 May 7. PMID 19422682.