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Product datasheet for AP23438PU-N

Col7a1 (NC1 FN-III-like Dom 7+8) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC
Recommended Dilution:	**ELISA.** **Immunofluorescence.** **Immunohistochemistry on Cryosections** (Ref.3) **Induction of Experiemental EBA in Mice** (Ref.2,3).
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant Murine Collagen type VII (aa 757-967) GST fusion protein.
Specificity:	This antibody recognizes Murine 290 kDa type VII Collagen (epidermal basement membrane / anchoring fibril component).
Formulation:	PBS, pH 7.2 State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore in aqua bidest to 1 mg/ml.
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	collagen, type VII, alpha 1
Database Link:	Entrez Gene 12836 Mouse Q63870

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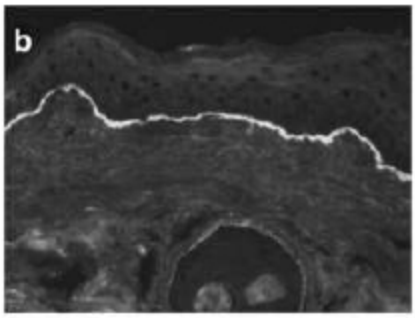
Background: Type VII collagen fibrils are composed of three identical alpha collagen chains. It's location is restricted to the basement zone beneath stratified squamous epithelia. It functions as an anchoring fibril between the external epithelia and the underlying stroma. Mutations in the collagen V11 gene are associated with all forms of dystrophic epidermolysis bullosa.

Synonyms: COL7A1, Long-chain collagen, LC collagen

Product images:



Immunofluorescence of Collagen VII staining of Cryosections of Murine Skin. The section was incubated with AP23438PU followed by an appropriate secondary antibody coupled to Fluorescein. This antibody marks the dermal-epidermal junction (DEJ). See Sesarman et al. (2008) J. Mol. Med 86 (8): 951-959.