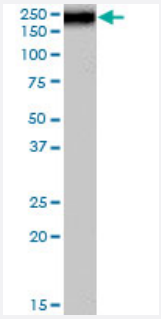
COL7A1 polyclonal antibody

Catalog # PAB7538 Size 100 ug

Applications



Western Blot (Tissue lysate)

COL7A1 polyclonal antibody (Cat # PAB7538) (0.5 ug/mL) staining of rat testis lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of COL7A1.
Immunogen	A synthetic peptide corresponding to human COL7A1.
Sequence	C-TVQYSDDPRTEF
Host	Goat
Theoretical MW (kDa)	295
Reactivity	Rat
Specificity	This product does not work on cryostat sections of normal human Skin.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

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Recommend Usage	ELISA (1:32000) Western Blot (0.1-1.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Tissue lysate)

  COL7A1 polyclonal antibody (Cat # PAB7538) (0.5 ug/mL) staining of rat testis lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Gene Info — COL7A1

Entrez GeneID	1294
Protein Accession#	NP_000085.1
Gene Name	COL7A1
Gene Alias	EBD1, EBDCT, EBR1
Gene Description	collagen, type VII, alpha 1
Omim ID	120120 131705 131750 131850 132000 226600 604129 607523
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the alpha chain of type VII collagen. The type VII collagen fibril, composed of t hree identical alpha collagen chains, is restricted to the basement zone beneath stratified squam ous epithelia. It functions as an anchoring fibril between the external epithelia and the underlying st roma. Mutations in this gene are associated with all forms of dystrophic epidermolysis bullosa. In t he absence of mutations, however, an acquired form of this disease can result from an autoimmu ne response made to type VII collagen. [provided by RefSeq
Other Designations	LC collagen|alpha 1 type VII collagen|collagen VII, alpha-1 polypeptide|long chain collagen

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Publication Reference

- Type VII collagen is required for Ras-driven human epidermal tumorigenesis.

  Ortiz-Urda S, Garcia J, Green CL, Chen L, Lin Q, Veitch DP, Sakai LY, Lee H, Marinkovich MP, Khavari PA.

  Science 2005 Mar; 307(5716):1773.

  Application: WB, Human, Human keratinocytes, Recombinant proteins

Disease

- Epidermolysis Bullosa
- Epidermolysis Bullosa Dystrophica
- Genetic Predisposition to Disease
- Pruritus
- Schizophrenia

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