



## Collagen VII Antibody

CATALOG NUMBER: 46-647



Western blot analysis of Collagen VII in rat testis lysate (35 ug protein in RIPA buffer) using Collagen VII Antibody at 0.5 ug/mL.

### Specifications

<b>SPECIES REACTIVITY:</b>	Rat
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: Antibody detection limit dilution 1:32,000. Western Blot: Approximately 250 kDa band observed in rat testis lysates (calculated MW of 159 kDa according to rat NP_001100328.1). Recommended concentration: 0.1-1.5 ug/mL.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1476 - Rat Testis Tissue Lysate
<b>SPECIFICITY:</b>	This product does not work on cryostat sections of Normal Human Skin.
<b>IMMUNOGEN:</b>	Collagen VII antibody was raised against a 12 amino acid synthetic peptide near the internal region of Collagen VII.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	Collagen VII antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Collagen VII antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	COL7A1, collagen, type VII, alpha 1 (epidermolysis bullosa, dystrophic, dominant and recessive), HGNC:2214, EBD1, EBDCT, EBR1, LC collagen, alpha 1 type VII collagen, collagen VII, alpha-1 polypeptide, long chain collagen
<b>ACCESSION NO.:</b>	NP_000085.1
<b>PROTEIN GI NO.:</b>	4502961

OFFICIAL SYMBOL:	COL7A1
GENE ID:	1294

### Background

**REFERENCES:** 1) Ortiz-Urda S, Garcia J, Green CL, Chen L, Lin Q, Veitch DP, Sakai LY, Lee H, Marinkovich MP, Khavari PA. Type VII collagen is required for Ras-driven human epidermal tumorigenesis. Science. 2005 Mar 18;307(5716):1773-6

FOR RESEARCH USE ONLY

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