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## Datasheet for ABIN6937011 **anti-COL7A1 antibody**

### Overview

Quantity:	100 µg
Target:	COL7A1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This COL7A1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

### Product Details

Immunogen:	Recombinant full-length human Collagen VII protein
Clone:	LH7-2
Isotype:	IgG2a kappa
Specificity:	Recognizes an epitope located on collagenase digested Type VII collagen (150 kDa), i.e. the non-helical carboxyl terminal region of the dimer. Binding is localized at the inferior border of the lamina densa as demonstrated by immunoelectron microscopy. Type VII is also found in the retina, where its function is unknown. It interacts with Laminin 5 and Fibronectin. Collagen VII is a 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.
Cross-Reactivity (Details):	Human. Sheep. Goat. Horse. Guinea Pig. Cow.

## Product Details

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

## Target Details

Target: COL7A1

Alternative Name: COL7A1 ([COL7A1 Products](#))

Background: Alpha 1 type VII collagen, Collagen 7, Collagen alpha 1(VII) chain, Collagen type VII alpha 1, Collagen VII alpha 1 polypeptide Col7a1, EBD1, EBDCT, EBR1, Long-chain (LC) collagen, Collagen VII  
Cellular localisation: Secreted. Extracellular matrix. Basement Membrane.

Molecular Weight: 290kDa

Gene ID: 1294, 476218

UniProt: [Q02388](#)

## Application Details

Application Notes: Known\_Application: ELISA (For coating, order antibody without BSA), Western Blot (1-2 µg/mL) Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.  
Positive\_Control: HeLa, cells. Human lymphocytes. Human lymph node or tonsil.

Restrictions: For Research Use only

## Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months