

Datasheet for ABIN7652478
anti-COL7A1 antibody (CF®405S)



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	COL7A1
Reactivity:	Human, Guinea Pig, Sheep, Cow, Goat, Horse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This COL7A1 antibody is conjugated to CF®405S
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Collagen VII(LH7.2), CF405S conjugate
Immunogen:	Recombinant full-length human Collagen VII protein
Clone:	LH7-2
Isotype:	IgG2a, kappa
Characteristics:	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. Primary antibodies

Product Details

are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	COL7A1
Alternative Name:	Collagen VII
Background:	Synonyms: 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 Gene Symbol: COL7A1
Molecular Weight:	290 kDa
Gene ID:	1294
UniProt:	Q02388

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Positive Control: HeLa, cells. Human lymphocytes. Human lymph node or tonsil.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light
Storage:	4 °C

Handling

Storage Comment: Stable at room temperature or 37°C for 7 days.
 Protect from light
 Store at 2 to 8°C. Protect fluorescent conjugates from light

Expiry Date: 24 months