

## **Product Data Sheet**

## **Anti-Collagen 17 alpha 1 Antibody**

Catalog # Source Reactivity Applications

CPA7515 Rabbit H, M, R WB, IH

**Description** Rabbit polyclonal antibody to Collagen 17 alpha 1

Immunogen KLH-conjugated synthetic peptide encompassing a sequence within the center

region of human Collagen 17 alpha 1. The exact sequence is proprietary.

**Purification** The antibody was purified by immunogen affinity chromatography.

**Specificity** Recognizes endogenous levels of Collagen 17 alpha 1 protein.

**Clonality** Polyclonal

Conjugation

Form Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol,

and 0.01% sodium azide.

**Dilution** WB (1/500 - 1/2000), IH (1/50 - 1/200)

Gene Symbol COL17A1

Alternative Names BP180; BPAG2; Collagen alpha-1(XVII) chain; 180 kDa bullous pemphigoid antigen 2;

Bullous pemphigoid antigen 2

Entrez Gene 1308 (Human); 12821 (Mouse)

SwissProt Q9UMD9 (Human); Q07563 (Mouse)

Storage/Stability Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid

freeze/thaw cycles.

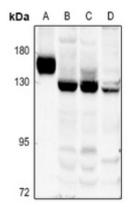
Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

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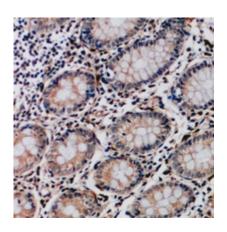
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Western blot analysis of Collagen 17 alpha 1 expression in rat kidney (A), HCT116 (B), HepG2 (C), 3T3L1 (D) whole cell lysates. (Predicted band size: 150 kD; Observed band size: 130 kD)



Immunohistochemical analysis of Collagen 17 alpha 1 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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