



KRT82 polyclonal antibody

Catalog: BS33178

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Keratin, type II cuticular Hb2: Structural component of intermediate filaments in the hair follicle. As a type II hair keratin, forms obligate heterodimers with type I hair keratins that assemble into keratin intermediate filaments. Expressed specifically in cuticle-forming cells of the hair shaft during the anagen phase, where it contributes to the formation and structural integrity of the hair cuticle

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~56.7 kDa

Swiss-Prot:

Q9NSB4

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of KRT82 protein

DATA:

Western blot analysis of Collagen 6 alpha 1 expression in PC3 (A) whole cell lysates.

Immunohistochemical analysis of Collagen 6 alpha 1 staining in human colon 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.

Immunofluorescent analysis of Collagen 6 alpha 1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.

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