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anti-Cytokeratin 13 antibody





Publication



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Quantity:	100 μL
Target:	Cytokeratin 13 (KRT13)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Whole Mount) (IHC (wm))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Cytokeratin 13. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Zebrafish (Danio rerio)
Characteristics:	Rabbit Polyclonal antibody to Cytokeratin 13 (keratin 13) Cytokeratin 13 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	Cytokeratin 13 (KRT13)
Alternative Name:	keratin 13 (KRT13 Products)

Target Details

Background:

The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Mutations in this gene and keratin 4 have been associated with the autosomal dominant disorder White Sponge Nevus. The type I cytokeratins are clustered in a region of chromosome 17q21.2. Alternative splicing of this gene results in multiple transcript variants, however, not all variants have been described.

Molecular Weight:	50 kDa
Gene ID:	3860
UniProt:	P13646

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: A431 , HeLa
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.59 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

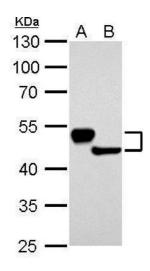
multiple freeze-thaw cycles.

Product cited in:

Wu, Ming, Zhang, Wu, Wu, Yao: "Edaravone rescues the lung by inhibiting lipid peroxidation and pro-inflammatory cytokines in a rat model." in: **Chinese medical journal**, Vol. 127, Issue 5, pp. 968-70, (2014) (PubMed).

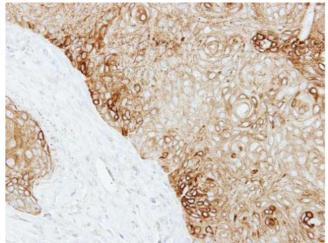
Chen, Wei, Zhuang, Qiao, Tang, Zhang, Wei, Fang, Chen, Du, Huang, Jiang, Hu, Hua: "Proteomic screening of anaerobically regulated promoters from Salmonella and its antitumor applications." in: **Molecular & cellular proteomics : MCP**, Vol. 10, Issue 6, pp. M111.009399, (2011) (PubMed).

Validation report #101762 for Western Blotting (WB)



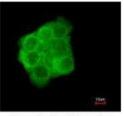
Western Blotting

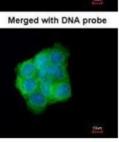
Image 1. WB Image Cytokeratin 13 antibody detects KRT13 protein by Western blot analysis. A. 30 μ g A431 whole cell lysate/extract B. 30 μ g HeLa whole cell lysate/extract 10 % SDS-PAGE Cytokeratin 13 antibody , dilution: 1:10000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded Cal27 xenograft, using Cytokeratin 13, antibody at 1:500 dilution.





Immunofluorescence

Image 3. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed A431, using Cytokeratin 13, antibody at 1:200 dilution.

Please check the product details page for more images. Overall 5 images are available for ABIN2856711.