


Product datasheet

Anti-Cytokeratin 19 antibody ab15463

★★★★☆ [13 Abreviews](#) [74 References](#) [5 Images](#)

Overview

Product name	Anti-Cytokeratin 19 antibody
Description	Rabbit polyclonal to Cytokeratin 19
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide within Human Cytokeratin 19 aa 300 to the C-terminus. The exact sequence is proprietary. Database link: P08727
General notes	<p>This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab15463 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 40 kDa).
IHC-P	★★★★★ (9)	1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Boil in citrate buffer for 10 minutes, cool at room temperature for 20 minutes. After blocking, incubate primary antibody 1:100 for 10 minutes at room temperature.

Target

Function

Involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.

Tissue specificity

Expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (at protein level). Expressed in epidermal basal cells, in nipple epidermis and a defined region of the hair follicle. Also seen in a subset of vascular wall cells in both the veins and artery of human umbilical cord, and in umbilical cord vascular smooth muscle. Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma in structures that contain dystrophin and spectrin.

Sequence similarities

Belongs to the intermediate filament family.

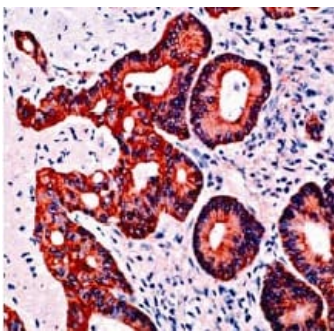
Developmental stage

Present in hair follicles at all stages of development.

Domain

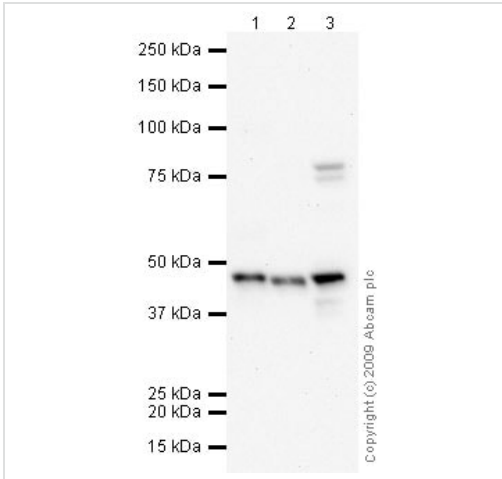
This keratin differs from all other IF proteins in lacking the C-terminal tail domain.

Images



Human skin stained with anti-Cytokeratin 19 antibody (ab15463).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 19 antibody (ab15463)



Western blot - Anti-Cytokeratin 19 antibody (ab15463)

All lanes : Anti-Cytokeratin 19 antibody (ab15463) at 1 µg/ml

Lane 1 : Human placenta tissue lysate - total protein (**ab29745**)

Lane 2 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

Lane 3 : MDA-MB-361 (Human breast adenocarcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Predicted band size: 40 kDa

Observed band size: 45 kDa

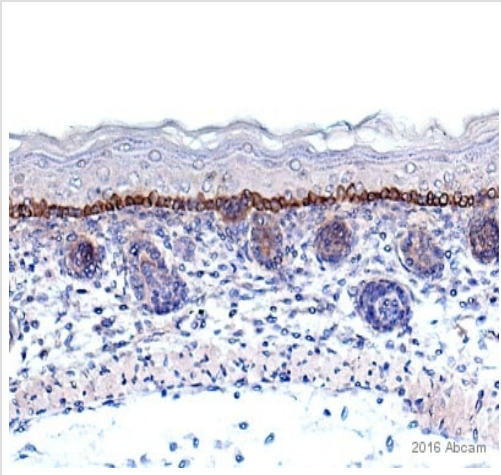
Additional bands at: 75 kDa. We are unsure as to the identity of these extra bands.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 19 antibody (ab15463)

This image is courtesy of an Abreview by Carl Hobbs.

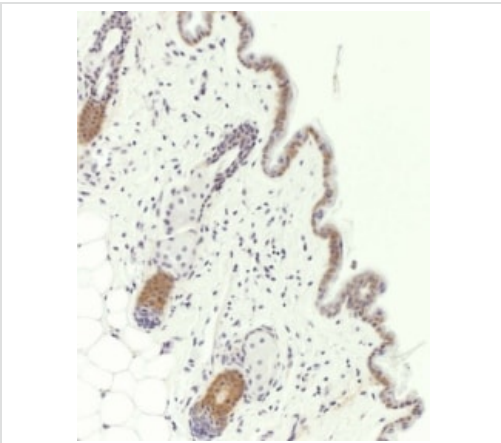
ab15463 staining Cytokeratin 19 in human colon tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 2% BSA for 10 minutes at 21°C; antigen retrieval was by heat mediation in a citrate buffer. Samples were incubated with primary antibody (1/500 in blocking buffer) for 16 hours at 22°C. A Biotin-conjugated Goat anti-rabbit IgG polyclonal (1/300) was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse developing skin tissue labeling Cytokeratin 19 with ab15463 at 1/500 dilution. The tissue was fixed with formaldehyde; heat-mediated antigen retrieval was performed using a citric acid. Tissue was blocked with 2% BSA for 10 minutes at 21°C. A polyclonal goat anti-rabbit IgG biotin conjugated antibody was used at 1/300 dilution. Image shows strong immunopositivity in the cytoplasm of basal cells of the epidermis and a moderate hair follicle cell positivity.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 19 antibody (ab15463)

This image is courtesy of an abreview submitted by Carl Hobbs, King's College London, United Kingdom



This image shows formalin-fixed mouse skin stained with Cytokeratin 19 antibody (1/50 dilution) after pepsin digestion.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 19 antibody (ab15463)

The image was kindly supplied as part of the review submitted by Linda Watson.

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