

Product Name: KD-Validated Keratin 17 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01031

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 48.1kDa

Antigen Information

Gene Name	KRT17
Alternative Names	KRT17; Keratin 17; Keratin, Type I Cytoskeletal 17; Keratin 17, Type I; Cytokeratin-17; CK-17; PCHC1; 39.1; K17; Keratin-17; PC2; PC
Gene ID	3872.0
SwissProt ID	Q04695
Immunogen	A synthesized peptide derived from human Cytokeratin 17

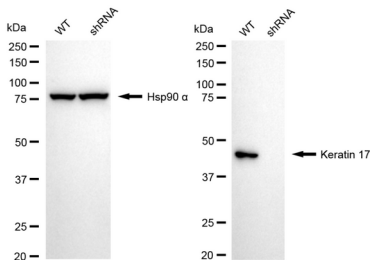
Background

This gene encodes the type I intermediate filament chain keratin 17, expressed in nail bed, hair follicle, sebaceous glands, and other epidermal appendages. Mutations in this gene lead to Jackson-Lawler type pachyonychia congenita and steatocystoma multiplex. [provided by RefSeq, Aug 2008]

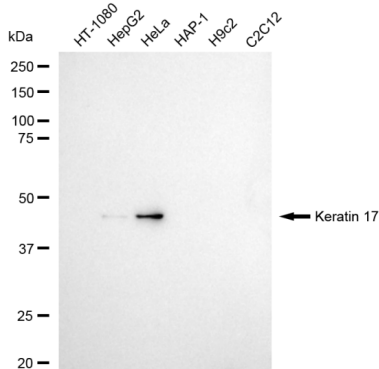
Research Area

Signal Transduction

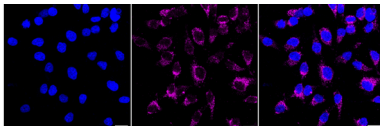
Image Data



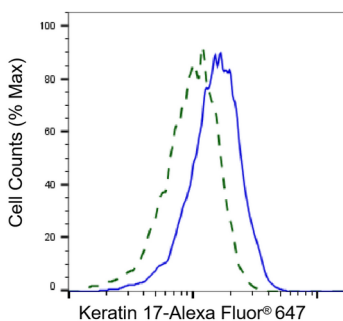
Western blotting analysis using Keratin 17 antibody (KVA01031). Keratin 17 expression in wild type (WT) and Keratin 17 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Keratin 17 antibody (KVA01031, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



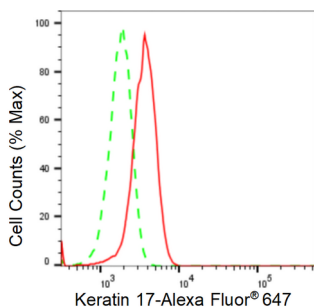
Western blotting analysis using Keratin 17 antibody (KVA01031). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Keratin 17 antibody (KVA01031, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with Keratin 17 antibody (KVA01031, 1:1,000). Nuclei were stained blue with DAPI; Keratin 17 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Validation of Keratin 17 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Keratin 17 antibody (KVA01031, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Keratin 17 expression in HeLa cells using Keratin 17 antibody (KVA01031, 1:2,000). Green, isotype control; red, Keratin 17.

