10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KRT9 Antibody (Center K317)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7312d

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P35527
Reactivity	Human
Predicted	Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18418
Calculated MW	62064
Antigen Region	302-331

Additional Information

Gene ID	3857
Other Names	Keratin, type I cytoskeletal 9, Cytokeratin-9, CK-9, Keratin-9, K9, KRT9
Target/Specificity	This KRT9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 302-331 amino acids from the Central region of human KRT9.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	KRT9 Antibody (Center K317) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KRT9 (HGNC:6447)
Function	Structural component of intermediate filaments in suprabasal keratinocytes of palmoplantar epidermis. Forms heteropolymers with a type II keratin, assembling into keratin intermediate filament networks that maintain the

	mechanical integrity of the palmoplantar epidermis.
Tissue Location	Expressed in the terminally differentiated epidermis of palms and soles.

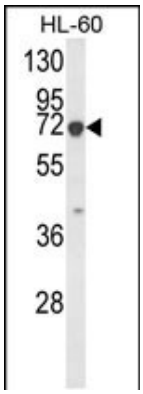
Background

KRT9 is the type I keratin 9, an intermediate filament chain expressed only in the terminally differentiated epidermis of palms and soles. Mutations in this protein cause epidermolytic palmoplantar keratoderma.

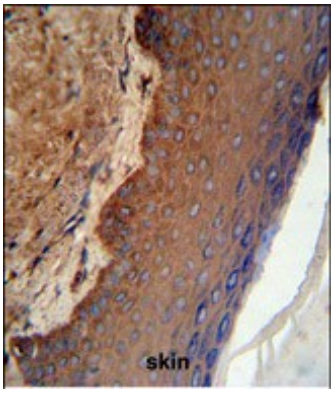
References

Feng,W., Han,W. Eur J Dermatol 18 (4), 387-390 (2008)
Zhao,J.J., Zhang,Z.H. Int. J. Dermatol. 47 (6), 634-637 (2008)
Torchard,D., Blanchet-Bardon,C. Nat. Genet. 6 (1), 106-110 (1994)
Reis,A., Kuster,W. Hum. Genet. 90 (1-2), 113-116 (1992)

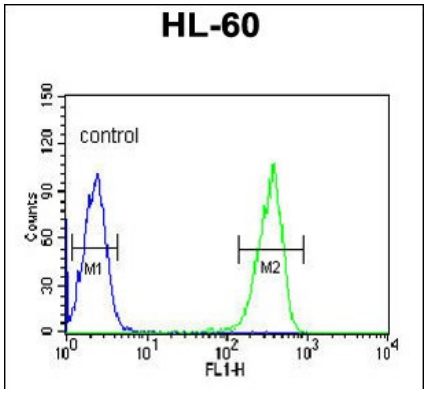
Images



Western blot analysis of KRT9 Antibody (Center K317) (Cat. #AP7312d) in HL-60 cell line lysates (35ug/lane). KRT9 (arrow) was detected using the purified Pab.



KRT9 Antibody (Center K317) (Cat. #AP7312d) IHC analysis in formalin fixed and paraffin embedded skin tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KRT9 Antibody (Center K317) for immunohistochemistry. Clinical relevance has not been evaluated.



KRT9 Antibody (Center K317) (Cat. #AP7312d) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.