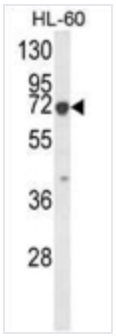
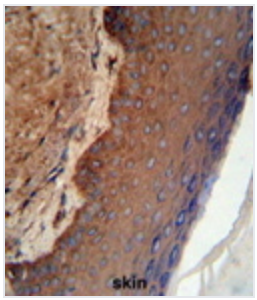
KRT9 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

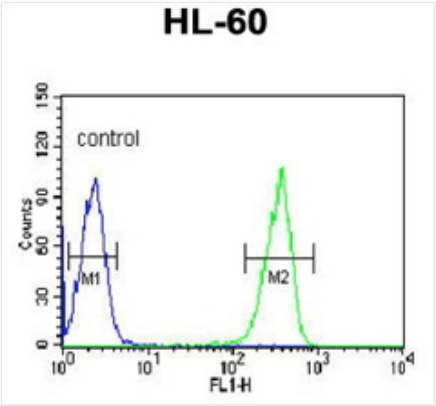
Product Name	KRT9, Polyclonal Antibody
Full Product Name	KRT9, ID (K317) (KRT9, Keratin, type I cytoskeletal 9, Cytokeratin-9, Keratin-9) (MaxLight 405)
Product Gene Name	anti-KRT9 antibody
Product Synonym Names	KRT9; Keratin; type I cytoskeletal 9; Cytokeratin-9; Keratin-9
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human KRT9.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	62064 MW
OMIM	Z29074 mRNA
3D Structure	ModBase 3D Structure for P35527
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 302-331 in the central region of human KRT9, UniProt Accession #P35527.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-KRT9 antibody	Antibodies; Cytokeratin
Applications Tested/Suitable for anti-KRT9 antibody	Immunohistochemistry (IHC) Paraffin, FLISA, Western Blot (WB), Flow Cytometry (FC/FACS)
Application Notes for anti-KRT9 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-KRT9 antibody	MBS6314837 is an antibody targeting KRT9. Also known as KRT9, ID (K317) (KRT9, Keratin, type I cytoskeletal 9, Cytokeratin-9, Keratin-9) (MaxLight 405). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-KRT9 antibody	1. Feng, W., Han, W. Eur J Dermatol 18 (4), 387-390 (2008). 2. Zhao, J.J., Zhang, Z.H. Int. J. Dermatol. 47 (6), 634-637 (2008). 3. Torchard, D., Blanchet-Bardon, C. Nat. Genet. 6 (1), 106-110 (1994). 4. Reis, A., Kuster, W. Hum. Genet. 90 (1-2), 113-116 (1992).
Other Notes	Small volumes of anti-KRT9 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-KRT9 antibody
Western Blot analysis in HL-60 cell line lysates (35ug/lane) usingMBS6004755. KRT9 (arrow) was detected usingMBS6004755.



Immunohistochemistry (IHC) of anti-KRT9 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded skin tissue using MBS6004755 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS6004755 for immunohistochemistry.



Flow Cytometry (FC/FACS) of anti-KRT9 antibody
Flow Cytometric analysis of HL-60 cells using MBS6004755 (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRT9. It may not necessarily be applicable to this product.

NCBI GI #	55956899
NCBI GeneID	3857
NCBI Accession #	NP_000217.2
UniProt Primary Accession #	P35527
UniProt Secondary Accession #	O00109; Q0IJ47; Q14665
UniProt Related Accession #	P35527
GenBank Nucleotide #	NP_000217.2
NCBI Official Full Name	keratin, type I cytoskeletal 9
NCBI Official Synonym Full Names	keratin 9
NCBI Official Symbol	KRT9
NCBI Official Synonym Symbols	K9; CK-9; EPPK
UniProt Protein Name	Keratin, type I cytoskeletal 9
UniProt Synonym Protein Names	Cytokeratin-9; CK-9; Keratin-9; K9
Protein Family	Keratin
UniProt Gene Name	KRT9

UniProt Synonym Gene Names	CK-9; K9
NCBI Protein Information	keratin, type I cytoskeletal 9
NCBI Summary for KRT9	This gene encodes the type I keratin 9, an intermediate filament chain expressed only in the terminally differentiated epidermis of palms and soles. Mutations in this gene cause epidermolytic palmoplantar keratoderma. [provided by RefSeq, Jul 2008]
UniProt Comments for KRT9	May serve an important special function either in the mature palmar and plantar skin tissue or in the morphogenetic program of the formation of these tissues. Plays a role in keratin filament assembly.
Research Articles on KRT9	**1.** Results identified the missense mutation KRT9 c.487C>T, as a potential causative mutation in the large Uygur family with epidermolytic palmoplantar keratoderma.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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