KRT10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KRT10, Polyclonal Antibody
Full Product Name	KRT10, NT (Keratin, Type I Cytoskeletal 10, Cytokeratin-10, CK-10, Keratin-10, K10, KPP) (MaxLight 650)
Product Gene Name	anti-KRT10 antibody
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 MaxLight650.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human KRT10.
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: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	58,827 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (38974369..38978863, complement). Location: 17q21
OMIM	113800
3D Structure	ModBase 3D Structure for P13645
Immunogen	Synthetic peptide selected from the N-terminal region of human KRT10 (KLH).
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-KRT10 antibody	Antibodies; Keratin; Cytokeratin
Applications Tested/Suitable for anti-KRT10 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-KRT10 antibody	IHC: 1:50-1:100 FLISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-KRT10 antibody	MBS6484203 is an antibody targeting KRT10. Also known as KRT10, NT (Keratin, Type I Cytoskeletal 10, Cytokeratin-10, CK-10, Keratin-10, K10, KPP) (MaxLight 650). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-KRT10 antibody	1. Morais, P., Eur J Dermatol 19(4), 333-336 (2009). 2. Barcelos, A.C., J. Cutan. Pathol. 36(6), 647-654 (2009).
Other Notes	Small volumes of anti-KRT10 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRT10. It may not necessarily be applicable to this product.

NCBI GI #	195972866
NCBI GeneID	3858
NCBI Accession #	NP_000412
UniProt Primary Accession #	P13645
UniProt Secondary Accession #	Q14664; Q8N175
UniProt Related Accession #	P13645
GenBank Nucleotide #	NM_000421
NCBI Official Full Name	keratin, type I cytoskeletal 10
NCBI Official Synonym Full Names	keratin 10
NCBI Official Symbol	KRT10
NCBI Official Synonym Symbols	BIE; EHK; K10; KPP; BCIE; CK10
UniProt Protein Name	Keratin, type I cytoskeletal 10
UniProt Synonym Protein Names	Cytokeratin-10; CK-10; Keratin-10
Protein Family	Keratin
UniProt Gene Name	KRT10
UniProt Synonym Gene Names	KPP; CK-10; K10
UniProt Entry Name	K1C10_HUMAN
NCBI Protein Information	keratin, type I cytoskeletal 10; CK-10; keratin-10; cytokeratin 10
UniProt Comments for KRT10	K10: a type I cytoskeletal keratin. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. There are two types of cytoskeletal and microfibrillar keratin: type I (acidic; 40-55 kDa) [K9 to K20] and type II (neutral to basic; 56-70 kDa) [K1 to K8]. Both a basic and an acidic keratin are required for filament assembly. Generally associates with K1. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 17q21 Cellular Component: extracellular space; membrane; keratin filament; cytoplasm; intermediate filament; nucleus Molecular Function: structural constituent of epidermis Biological Process: keratinocyte differentiation Disease: Erythroderma, Ichthyosiform, Congenital Reticular; Epidermolytic Hyperkeratosis; Ichthyosis, Cyclic, With Epidermolytic Hyperkeratosis
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