KRT83 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KRT83, Polyclonal Antibody
Full Product Name	KRT83 Polyclonal Antibody
Product Gene Name	anti-KRT83 antibody
Product Synonym Names	Keratin, type II cuticular Hb3; Hair keratin K2.10; Keratin-83; K83; Type II hair keratin Hb3; Type-II keratin Kb23; KRT83; KRTHB3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	54
OMIM	158000
3D Structure	ModBase 3D Structure for P78385
Immunogen	Synthesized peptide derived from human protein. at AA range: 50-130
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-KRT83 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-KRT83 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-KRT83 antibody	MBS8529590 is an antibody targeting KRT83. Also known as KRT83 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-KRT83 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 KRT83. It may not necessarily be applicable to this product.

NCBI GI #	169790841
NCBI GeneID	3889
NCBI Accession #	NP_002273.3
UniProt Primary Accession #	P78385
UniProt Secondary Accession #	Q6NT21; Q9NSB3; A1A4S9; B2RC21
UniProt Related Accession #	P78385

GenBank Nucleotide #	NM_002282.3
NCBI Official Full Name	keratin, type II cuticular Hb3
NCBI Official Synonym Full Names	keratin 83
NCBI Official Symbol	KRT83
NCBI Official Synonym Symbols	HB3; Hb-3; EKVP5; MNLIX; KRTHB3
UniProt Protein Name	Keratin, type II cuticular Hb3
UniProt Synonym Protein Names	Hair keratin K2.10; Keratin-83; K83; Type II hair keratin Hb3; Type-II keratin Kb23
Protein Family	Keratin
UniProt Gene Name	KRT83
UniProt Synonym Gene Names	KRTHB3; K83
NCBI Protein Information	keratin, type II cuticular Hb3
NCBI Summary for KRT83	The protein encoded by this gene is a member of the keratin gene family. As a type II hair keratin, it is a basic protein which heterodimerizes with type I keratins to form hair and nails. The type II hair keratins are clustered in a region of chromosome 12q13 and are grouped into two distinct subfamilies based on structure similarity. One subfamily, consisting of KRTHB1, KRTHB3, and KRTHB6, is highly related. The other less-related subfamily includes KRTHB2, KRTHB4, and KRTHB5. All hair keratins are expressed in the hair follicle; this hair keratin, as well as KRTHB1 and KRTHB6, is found primarily in the hair cortex. [provided by RefSeq, Jul 2008]
UniProt Comments for KRT83	MiscellaneousThere are two types of hair/microfibrillar keratin, I (acidic) and II (neutral to basic).
Research Articles on KRT83	**1.** Our findings indicate that at least some cases of autosomal recessive Progressive symmetric erythrokeratoderma (PSEK)and autosomal dominant monilethrix are allelic, respectively resulting from loss-of-function and missense mutations in the KRT83 gene
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