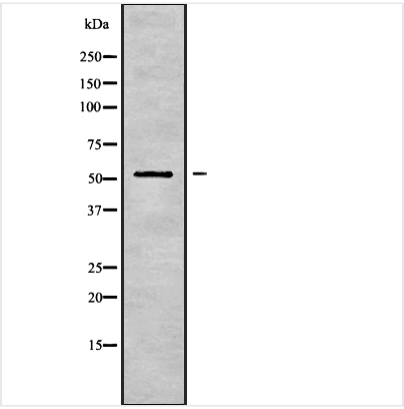
KRT83 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KRT83, Polyclonal Antibody
Full Product Name	KRT83 Antibody
Product Gene Name	anti-KRT83 antibody
Product Synonym Names	Hair keratin K2.10; Hard keratin, type II, 3; HB 3; HB3; hHb3; K2.10; K83; Keratin 83; Keratin; Keratin, hair, basic, 3; Keratin-83; Krt83; KRT83_HUMAN; KRTHB3; type II cuticular Hb3; Type II hair keratin Hb3; Type-II keratin Kb23; 1; basic; ghHb 1; ghHb1; ghHkb 1; ghHKb1; hair; Hair keratin K2.9; Hard keratin type II 1; HB 1; HB1; hHAKB2 1; K2.9; K81; Keratin 81; Keratin; Keratin hair basic 1; Keratin type II cuticular Hb1; Keratin-81; Keratin81; KRT 81; KRT81; KRT81_HUMAN; KRTHB 1; KRTHB1; Metastatic lymph node 137 gene protein; MLN 137; MLN137; type II cuticular Hb1; Type II hair keratin Hb1; Type-II keratin Kb21; ECTD4; Hair keratin K2.12; Hard keratin type II 5; Hb 5; HB5; hHb5; K12.12; K85; Keratin 85; keratin hair basic 5; Keratin type II cuticular Hb5; keratin, hard, type II; KRTHB5; type II cuticular Hb5; Type II hair keratin Hb5; Type II keratin Kb25; Hair keratin K2.11; Hb6; K86; Keratin; Keratin-86; KRT86; KRT86_HUMAN; KRTHB6; MNX; type II cuticular Hb6; Type II hair keratin Hb6; Type-II keratin Kb26
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	KRT83 antibody detects endogenous levels of total KRT83
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	KRT83 peptide (MBS9628034) is used for blocking the activity of KRT83 antibody (MBS9609330)
Molecular Weight	Observed: 55 kDa Predicted: 55 kDa
3D Structure	ModBase 3D Structure for P78385
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human KRT83
Tissue Specificity	Synthesis begins in the cortex 10-15 cell layers above the apex of the dermal papilla and ends abruptly in the middle of the cortex.
Conjugation	Unconjugated
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: 1:1000-3000

Related Product Information for anti-KRT83 antibody	Function: There are two types of hair/microfibrillar keratin, I (acidic) and II (neutral to basic). Subunit Structure: Heterotetramer of two type I and two type II keratins. Similarity: Belongs to the intermediate filament family.
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.
Searchable Terms for KRT83 purchase	MBS9609330 is an antibody targeting KRT83. Also known as KRT83 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-KRT83 antibody
Western blot analysis of KRT83 using HepG2 whole cell lysates

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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