KRT80 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KRT80, Polyclonal Antibody
Full Product Name	KRT80 Antibody; HRP conjugated
Product Gene Name	anti-KRT80 antibody
Product Synonym Names	Keratin; type II cytoskeletal 80; Cytokeratin-80; CK-80; Keratin-80; K80; Type-II keratin Kb20; KRT80; KB20
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Upon receipt, store at -20°C or -80°C.
Matching Pairs	Unconjugated Antibody: KRT80 (MBS7001967) HRP Conjugated Antibody: KRT80 (MBS7003329)
OMIM	611161
3D Structure	ModBase 3D Structure for Q6KB66
Immunogen	Recombinant human Keratin, type II cytoskeletal 80 protein (1-300AA)
Immunogen Species	Homo sapiens (Human)
Research Area	Cell Transduction
Conjugation	HRP
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-168310
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-KRT80 antibody	ELISA (EIA)
Related Product Information for anti-KRT80 antibody	MBS7003329 is an antibody targeting KRT80. Also known as KRT80 Antibody; HRP conjugated. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-KRT80 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 KRT80. It may not necessarily be applicable to this product.

NCBI GI #	125628632
NCBI GeneID	144501

NCBI Accession #	NP_001074961.1
UniProt Primary Accession #	Q6KB66
UniProt Secondary Accession #	Q6P1A5; Q7Z3Q0
UniProt Related Accession #	Q6KB66
GenBank Nucleotide #	NM_001081492.1
NCBI Official Full Name	keratin, type II cytoskeletal 80 isoform K80.1
NCBI Official Synonym Full Names	keratin 80, type II
NCBI Official Symbol	KRT80
NCBI Official Synonym Symbols	KB20
UniProt Protein Name	Keratin, type II cytoskeletal 80
UniProt Synonym Protein Names	Cytokeratin-80; CK-80; Keratin-80; K80; Type-II keratin Kb20
Protein Family	Keratin
UniProt Gene Name	KRT80
UniProt Synonym Gene Names	KB20; CK-80; K80
UniProt Entry Name	K2C80_HUMAN
NCBI Protein Information	keratin, type II cytoskeletal 80
NCBI Summary for KRT80	Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. This gene's expression profile shows that it encodes a type II epithelial keratin, although structurally the encoded protein is more like a type II hair keratin. This protein is involved in cell differentiation, localizing near desmosomal plaques in earlier stages of differentiation but then dispersing throughout the cytoplasm in terminally differentiating cells. The type II keratins are clustered in a region of chromosome 12q13. Two transcript variants encoding two different fully functional isoforms have been found for this gene.[provided by RefSeq, Oct 2010]
UniProt Comments for KRT80	KRT80: Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. This gene's expression profile shows that it encodes a type II epithelial keratin, although structurally the encoded protein is more like a type II hair keratin. This protein is involved in cell differentiation, localizing near desmosomal plaques in earlier stages of differentiation but then dispersing throughout the cytoplasm in terminally differentiating cells. The type II keratins are clustered in a region of chromosome 12q13. Two transcript variants encoding two different fully functional isoforms have been found for this gene.[provided by RefSeq, Oct 2010] Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 12q13.13 Cellular Component: cytoplasm; desmosome; intermediate filament; keratin filament Molecular Function: protein binding; structural molecule activity
Research Articles on KRT80	**1.** Alternative splice variants, K80 and K80.1 distribute differently in epithelia of hair and skin.
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