



Anti-KRT81 (full length) polyclonal antibody (DPAB-DC1812)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 KRTHB3 and KRTHB6, is found primarily in the hair cortex. Mutations in this gene and KRTHB6 have been observed in patients with a rare dominant hair disease, monilethrix.
Immunogen	KRTHB1 (AAH21241, 1 a.a. ~ 202 a.a) full-length recombinant protein with GST tag. The sequence is MKATVIRHGETLRRRTKEEINELNRMIRQLTAEEVENAKCQNSKLEAAVAQSEQQGEEAALSD ARCKLALEGALQKAKQDMACLIREFYQEVMSKLGDLIEIATYRRLLEGEEQRLCEGIGA VNVCVSSSRGGVVGDLVSGSRPVTGVSVCAPCNGNVAVSTGLCAPCGQLNTTCGGGSC GVGSCGISSLGVGSCGSSCRKC
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	KRT81 keratin 81 [Homo sapiens (human)]
Official Symbol	KRT81
Synonyms	KRT81; keratin 81; HB1; Hb-1; KRTHB1; MLN137; ghHkb1; hHAKB2-1; keratin, type II cuticular Hb1; K81; ghHb1; MLN 137; keratin-81; hair keratin K2.9; type-II keratin Kb21; keratin, hair, basic, 1; hard keratin, type II, 1; type II hair keratin Hb1; metastatic lymph node 137 gene protein;
Entrez Gene ID	3887
Protein Refseq	NP_002272
UniProt ID	Q14533
Chromosome Location	12q13
Function	protein binding; structural molecule activity;