



Mouse anti-Human KRT81 monoclonal antibody, clone 4C216C21 (CABT-B10538)

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

PRODUCT INFORMATION

Immunogen	KRTHB1 (AAH21241, 1 a.a. ~ 203 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	4C216C21
Conjugate	Unconjugated
Applications	WB,IHC,IF,sELISA,ELISA
Sequence Similarities	MKATVIRHGETLRRTEEINELNRMIQRLTAEVENAKCQNSKLEAAVAQSEQQGEAALSD ARCKLAELEGALQAKQDMACLIREYQEVMSKLGLDIEIATYRRLLEGEEQRLCEGIGA VNVCVSSSRGGVVCGLCVSGSRPVTGSVCSAPCNGNVAVSTGLCAPCGQLNTTCGGGSC GVGSCGISSLGVGSCGSSCRKC*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction

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. [provided by RefSeq, Jul 2008]

Keywords

KRT81; keratin 81, type II; 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;

GENE INFORMATION

Entrez Gene ID

[3887](#)

UniProt ID

[Q14533](#)

Function

protein binding; structural molecule activity