



# Mouse anti-Human KRT86 monoclonal antibody, clone 4C20-6C20 (CABT-B10539)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	KRTHB1 (AAH21241, 1 a.a. ~ 203 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	4C20-6C20
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC, IF, sELISA, ELISA
<b>Sequence Similarities</b>	MKATVIRHGETLRRTKEEINELNRMIRQLTAEVENAKCQNSKLEAAVAQSEQQGEAALSD ARCKLAELEGALQKAKQDMACLIREYQEVMSKLGDLIEIATYRRLLLEGEEQRLCEGIGA VNVCVSSSRGGVVCGLCVSGSRPVTGSVCSAPCNGNVAVSTGLCAPCGQLNTTCGGGSC GVGSCGISSLGVGSCGSSCRKC
<b>Format</b>	Liquid
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	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 KRTHB1 and KRTHB3, is found primarily in the hair cortex. Mutations in this gene and KRTHB1 have been observed in patients with a rare dominant hair disease, monilethrix. [provided by RefSeq, Jul 2008]

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<b>Keywords</b>	KRT86; keratin 86, type II; HB6; Hb1; MNX; hHb6; KRTHB1; KRTHB6; keratin, type II cuticular Hb6; K86; keratin-86; hair keratin K2.11; keratin protein HB6; type-II keratin Kb26; hard keratin, type II, 6; type II hair keratin Hb6; keratin, hair, basic, 6 (monilethrix);
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## GENE INFORMATION

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<b>Entrez Gene ID</b>	<a href="#">3892</a>
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<b>UniProt ID</b>	<a href="#">O43790</a>
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<b>Function</b>	structural molecule activity;
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