



# KRT85 Polyclonal Antibody

<b>Catalog No</b>	BYab-06649
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	KRT85 KRTHB5
<b>Protein Name</b>	Keratin, type II cuticular Hb5 (Hair keratin K2.12) (Keratin-85) (K85) (Type II hair keratin Hb5) (Type-II keratin Kb25)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein AA range: 450-500
<b>Specificity</b>	KRT85 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	55kD
<b>Cell Pathway</b>	extracellular space,intermediate filament,keratin filament,
<b>Tissue Specificity</b>	Synthesis occurs immediately above a small population of matrix cells at the base of the hair bulb and the trichocytes lining the dermal papilla and extends upward through the matrix and ends in the lower part of the cortex of the hair shaft.
<b>Function</b>	caution:Maps to a duplicated region on chromosome 12.,disease:Defects in KRT85 are the cause of ectodermal dysplasia pure hair-nail type (EDPHN) [MIM:602032]. Ectodermal dysplasia defines a heterogeneous group of disorders due to abnormal development of two or more ectodermal structures. EDPHN is characterized by complete alopecia, hypotricosis and nail dystrophy in all digits. There is no evidence of any other abnormality. Inheritance can be autosomal dominant or recessive.,miscellaneous:There are two types of hair/microfibrillar keratin, I (acidic) and II (neutral to basic).,similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two type I and two type II keratins.,tissue specificity:Synthesis occurs immediately above a small population

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of matrix cells at the base of the hair bulb and the trichocytes lining the dermal papilla and extends upward through the ma

**Background**

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. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**