



KRT85 Monoclonal Antibody

Catalog No	YP-mAb-06649
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	KRT85 KRTHB5
Protein Name	Keratin, type II cuticular Hb5 (Hair keratin K2.12) (Keratin-85) (K85) (Type II hair keratin Hb5) (Type-II keratin Kb25)
Immunogen	Synthesized peptide derived from part region of human protein AA range: 450-500
Specificity	KRT85 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	55kD
Cell Pathway	extracellular space,intermediate filament,keratin filament,
Tissue Specificity	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.
Function	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 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