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## Datasheet for ABIN6143041 anti-KRT81 antibody (AA 240-390)

Image



## Overview

Quantity:	100 μL
Target:	KRT81
Binding Specificity:	AA 240-390
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KRT81 antibody is un-conjugated
Application:	Western Blotting (WB)

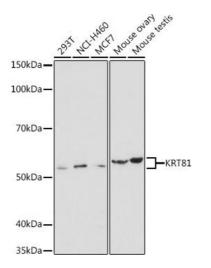
## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 240-390 of human KRT81 (NP_002272.2).
Sequence:	RRLYEEEILI LQSHISDTSV VVKLDNSRDL NMDCIIAEIK AQYDDIVTRS RAEAESWYRS KCEEMKATVI RHGETLRRTK EEINELNRMI QRLTAEVENA KCQNSKLEAA VAQSEQQGEA ALSDARCKLA ELEGALQKAK QDMACLIREY Q
lsotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Target Details	
Target:	KRT81

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	KRT81 (KRT81 Products)
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. All hair keratins are expressed in the hair follicle, this hair keratin, as we
	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.,KRT81,HB1,Hb-1,KRTHB1,MLN137,ghHkb1,hHAKB2-1,Signal Transduction,Cell
	Biology & Developmental Biology,Cytoskeleton,Intermediate Filaments,Extracellular
	Matrix,Keratin,KRT81
Molecular Weight:	54 kDa
Gene ID:	3887
JniProt:	Q14533
Application Details	
Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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## Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using KRT81 antibody (ABIN6130515, ABIN6143041, ABIN6143042 and ABIN6220433) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

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