

Datasheet for ABIN2776960

anti-Keratin 10 antibody (N-Term)[Go to Product page](#)**2** Images**1** Publication

Overview

Quantity:	100 µL
Target:	Keratin 10 (KRT10)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Keratin 10 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human KRT10
Sequence:	EKVTMQNLND RLASYLDKVR ALEESNYELE GKIKEWYEKH GNSHQGEPRD
Predicted Reactivity:	Cow: 93%, Dog: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 86%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against KRT10. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Keratin 10 (KRT10)
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Target Details

Alternative Name:	KRT10 (KRT10 Products)
Background:	KRT10 is a member of the type I (acidic) cytokeratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. Mutations in the gene encoding KRT10 are associated with epidermolytic hyperkeratosis. This gene encodes a member of the type I (acidic) cytokeratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. Mutations in this gene are associated with epidermolytic hyperkeratosis. This gene is located within a cluster of keratin family members on chromosome 17q21. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: CK10, K10, KPP, BIE, EHK, BCIE Protein Interaction Partner: UBC, Fbxl16, ADRB2, PAN2, Nphp4, Iqcb1, Cep290, Nphp1, Invs, VCAM1, SRC, ITGA4, FN1, ALB, MAGOH, TRAF3IP1, EIF4A3, AHNAK2, KRT2, KRT1, ELAVL1, UBASH3B, SHC1, PIK3R2, INPPL1, GRB2, EPS15, CRK, AP2M1, CBL, NEDD8, CAND1, DCUN1D1, COPS5, COPS6, CUL1, CUL2, CU Protein Size: 584
Molecular Weight:	59 kDa
Gene ID:	3858
NCBI Accession:	NM_000421 , NP_000412
UniProt:	P13645

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 584 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific

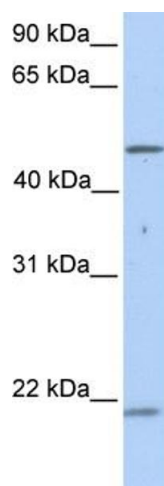
Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

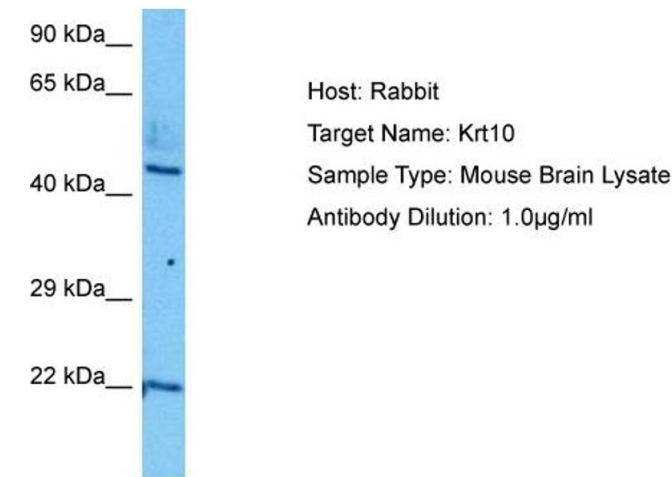
Product cited in:	Tsubota, Akiyama, Kanitakis, Sakai, Nomura, Claudy, Shimizu: "Mild recessive bullous congenital ichthyosiform erythroderma due to a previously unidentified homozygous keratin 10 nonsense mutation." in: The Journal of investigative dermatology , Vol. 128, Issue 7, pp. 1648-52, (2008) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-KRT10 Antibody Titration: 0.2-1 ug/ml Positive Control: 721_B cell lysate



Western Blotting

Image 2. Host: Mouse Target Name: KRT10 Sample Tissue: Mouse Brain Antibody Dilution: 1ug/ml