

Datasheet for ABIN2775315
anti-KRT16 antibody (Middle Region)



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2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	KRT16
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Horse, Cow, Dog, Guinea Pig, Rabbit, Sheep, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KRT16 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human KRT16
Sequence:	LRKNHEEEML ALRGQTGGDV NVEMDAAPGV DLSRILNEMR DQYEQMAEKN
Predicted Reactivity:	Cow: 93%, Dog: 92%, Guinea Pig: 83%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 92%, Rabbit: 92%, Rat: 100%, Sheep: 77%
Characteristics:	This is a rabbit polyclonal antibody against KRT16. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	KRT16
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Target Details

Alternative Name:	KRT16 (KRT16 Products)
Background:	<p>KRT16 is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains and are clustered in a region of chromosome 17q12-q21. This keratin has been coexpressed with keratin 14 in a number of epithelial tissues, including esophagus, tongue, and hair follicles. The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains and are clustered in a region of chromosome 17q12-q21. This keratin has been coexpressed with keratin 14 in a number of epithelial tissues, including esophagus, tongue, and hair follicles. Mutations in this gene are associated with type 1 pachyonychia congenita, non-epidermolytic palmoplantar keratoderma and unilateral palmoplantar verrucous nevus. 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.</p> <p>Alias Symbols: CK16, K16, K1CP, KRT16A, NEPPK, FNEPPK</p> <p>Protein Interaction Partner: UBC, Cep290, Nphp1, Invs, IQCB1, ITGA4, FN1, APOA1, ALB, EIF4A3, HNRNPM, UBASH3B, SHC1, PIK3R2, INPPL1, GRB2, EPS15, CRK, AP2M1, CBL, CAND1, COPS5, CUL1, CUL2, CUL3, CUL4B, NEDD8, BANF1, TCHP,</p> <p>Protein Size: 473</p>
Molecular Weight:	51 kDa
Gene ID:	3868
NCBI Accession:	NM_005557 , NP_005548
UniProt:	P08779

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 473 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
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:	Furukawa, Abe, Wang, Oki, Uda, Tsuneda, Ito: "Fluorogenic probe triggered by reduction for nucleic acids sensing." in: Nucleic acids symposium series (2004) , Issue 52, pp. 353-4, (2008) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-KRT16 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Transfected 293T



Western Blotting

Image 2. WB Suggested Anti-KRT16 antibody Titration: 1 ug/mL Sample Type: Human HepG2