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Datasheet for ABIN951824

## anti-KRT73 antibody (C-Term)

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### Overview

Quantity:	0.4 mL
Target:	KRT73
Binding Specificity:	AA 500-530, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KRT73 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

### Product Details

Immunogen:	KLH conjugated synthetic peptide between 500-530 amino acids from the C-terminal region of human KRT73
Isotype:	Ig Fraction
Specificity:	This antibody reacts to KRT73.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

### Target Details

Target:	KRT73
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## Target Details

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Alternative Name:	Cytokeratin 73 ( <a href="#">KRT73 Products</a> )
Background:	Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. This gene encodes a protein that is expressed in the inner root sheath of hair follicles. The type II keratins are clustered in a region of chromosome 12q13. Synonyms: CK73, Cytokeratin-73, K6IRS3, K73, KB36, KRT6IRS3, KRT73, Keratin type II cytoskeletal 73, Keratin-73, Type II inner root sheath-specific keratin-K6irs3, Type II keratin-36
Molecular Weight:	58923 Da
Gene ID:	319101
NCBI Accession:	<a href="#">NP_778238</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

## Publications

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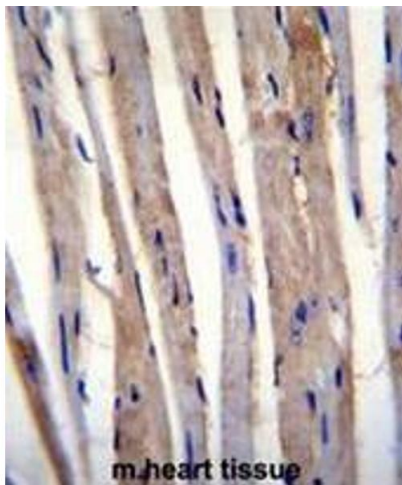
Product cited in:	Ruiz-Laguna, Vélez, Pueyo, Abril: "Global gene expression profiling using heterologous DNA microarrays to analyze alterations in the transcriptome of <i>Mus spretus</i> mice living in a heavily polluted environment." in: <b>Environmental science and pollution research international</b> , Vol. 23,
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Issue 6, pp. 5853-67, (2016) ([PubMed](#)).

Schweizer, Bowden, Coulombe, Langbein, Lane, Magin, Maltais, Omary, Parry, Rogers, Wright: "New consensus nomenclature for mammalian keratins." in: **The Journal of cell biology**, Vol. 174, Issue 2, pp. 169-74, (2006) ([PubMed](#)).

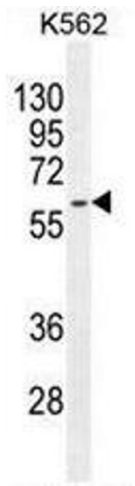
Langbein, Rogers, Praetzel, Winter, Schweizer: "K6irs1, K6irs2, K6irs3, and K6irs4 represent the inner-root-sheath-specific type II epithelial keratins of the human hair follicle." in: **The Journal of investigative dermatology**, Vol. 120, Issue 4, pp. 512-22, (2003) ([PubMed](#)).

Linardopoulou, Mefford, Nguyen, Friedman, van den Engh, Farwell, Coltrera, Trask: "Transcriptional activity of multiple copies of a subtelomerically located olfactory receptor gene that is polymorphic in number and location." in: **Human molecular genetics**, Vol. 10, Issue 21, pp. 2373-83, (2002) ([PubMed](#)).



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** KRT73 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded m.heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of KRT73 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



### Western Blotting

**Image 2.** KRT73 Antibody (C-term) western blot analysis in K562 cell line lysates (35µg/lane). This demonstrates the KRT73 antibody detected the KRT73 protein (arrow).