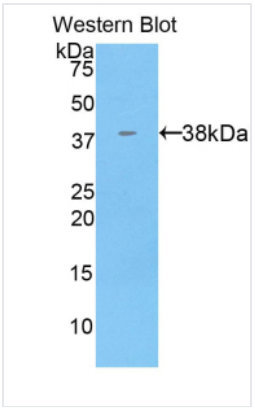
Keratin 71 (KRT71) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Keratin 71 (KRT71), Polyclonal Antibody
Full Product Name	Polyclonal Antibody to Keratin 71 (KRT71)
Product Gene Name	anti-KRT71 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mus musculus (Mouse)
Form/Format	Supplied as solution form in PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	0.5mg/mL (lot specific)
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 24 months. **Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: KRT71 (MBS2006782) Biotin Conjugated Antibody: KRT71 (MBS2004181)
Matching Pairs	Unconjugated Antibody: KRT71 (MBS2006782) Immunogen: KRT71 (MBS2009395)
Matching Pairs	Unconjugated Antibody: KRT71 (MBS2006782) APC-CY7 Conjugated Antibody: KRT71 (MBS2084003)
Matching Pairs	Unconjugated Antibody: KRT71 (MBS2006782) PE Conjugated Antibody: KRT71 (MBS2084004)
Matching Pairs	Unconjugated Antibody: KRT71 (MBS2006782) APC Conjugated Antibody: KRT71 (MBS2084005)
Matching Pairs	Unconjugated Antibody: KRT71 (MBS2006782) Cy3 Conjugated Antibody: KRT71 (MBS2084006)
Matching Pairs	Unconjugated Antibody: KRT71 (MBS2006782) FITC Conjugated Antibody: KRT71 (MBS2084007)
Matching Pairs	Unconjugated Antibody: KRT71 (MBS2006782) HRP Conjugated Antibody: KRT71 (MBS2084008)
Matching Pairs	Unconjugated Antibody: Keratin 71 (KRT71) (MBS2006782) APC-CY7 Conjugated Secondary Antibody: Immunoglobulin G (MBS2090675)
Matching Pairs	Unconjugated Antibody: Keratin 71 (KRT71) (MBS2006782) Unconjugated Secondary Antibody: Immunoglobulin G (MBS2090678)
3D Structure	ModBase 3D Structure for Q9R0H5

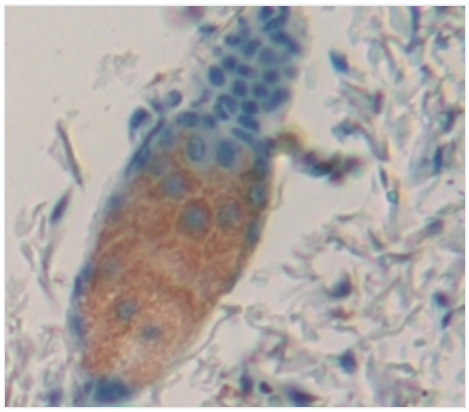
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Source	Polyclonal antibody preparation
Traits	Liquid
Cross Reactivity	Human; Rat
Immunogen	Recombinant KRT71 (Arg132~Glu440) expressed in E.coli (MBS2009395).
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-KRT71 antibody	Western Blot (WB)
Application Notes for anti-KRT71 antibody	Western blotting: 0.01-2ug/mL; Optimal working dilutions must be determined by end user.
Related Product Information for anti-KRT71 antibody	MBS2006782 is an antibody targeting KRT71. Also known as Polyclonal Antibody to Keratin 71 (KRT71). Reactive in Mus musculus (Mouse). Host: Rabbit.
Other Notes	Small volumes of anti-KRT71 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-KRT71 antibody
Western Blot:Recombinant KRT71, Mouse.



Western Blot (WB) of anti-KRT71 antibody
Western Blot;Sample: Mouse Skin lysatePrimary Ab: 0.5ug/ml Rabbit Anti-MouseKRT71 AntibodySecond Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: MBS2086047)



Immunohistochemistry (IHC) of anti-KRT71 antibody
DAB staining on IHC-P.Samples: Mouse Tissue)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRT71. It may not necessarily be applicable to this product.

NCBI GI #	9910294
NCBI GeneID	56735
NCBI Accession #	NP_064340.1
UniProt Primary Accession #	Q9R0H5
UniProt Secondary Accession #	Q7TPF3; Q9D0X6; A0JLW9
UniProt Related Accession #	Q9R0H5
GenBank Nucleotide #	NM_019956.1
NCBI Official Full Name	keratin, type II cytoskeletal 71
NCBI Official Synonym Full Names	keratin 71
NCBI Official Symbol	Krt71
NCBI Official Synonym Symbols	Ca; Cu; Cal4; mK6irs; Krt2-6g; mK6irs1; AA589543
UniProt Protein Name	Keratin, type II cytoskeletal 71
UniProt Synonym Protein Names	Cytokeratin-6G; CK-6G; Cytokeratin-71; CK-71; Keratin-6G; K6G; Keratin-71; K71; Type II inner root sheath-specific keratin-K6irs1; mK6irs; mK6irs1/Krt2-6g; Type-II keratin Kb34
Protein Family	Keratin
UniProt Gene Name	Krt71
UniProt Synonym Gene Names	; CK-6G; CK-71; K6G; K71; mK6irs; mK6irs1/Krt2-6g
NCBI Protein Information	keratin, type II cytoskeletal 71
UniProt Comments for KRT71	KRT71: Plays a central role in hair formation. Essential component of keratin intermediate filaments in the inner root sheath (IRS) of the hair follicle (Probable). Belongs to the intermediate filament family. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 15 F2|15 57.0 cM Cellular Component: cytoplasm; cytoskeleton; intermediate filament; keratin filament Molecular Function: structural constituent of cytoskeleton; structural molecule activity Biological Process: cytoskeleton organization; hair follicle morphogenesis; intermediate filament organization
Research Articles on KRT71	**1.** Missense point mutations in Krt2-6g is associated with hair abnormalities
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