10320 Camino Santa Fe, Suite G
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KR102 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56412

Specification

KR102 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	P60368
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**26 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human KR102**
Epitope Specificity	**1-100/255**
Isotype	**IgG**
Purity affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SIMILARITY	**Belongs to the KRTAP type 10 family.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
This gene encodes a member of the keratin-associated protein (KAP) family. The KAP proteins form a matrix of keratin intermediate filaments which contribute to the structure of hair fibers. KAP family members appear to have unique, family-specific amino- and carboxyl-terminal regions and are subdivided into three multi-gene families according to amino acid composition: the high sulfur, the ultrahigh sulfur, and the high tyrosine/glycine KAPs. This gene encodes a member of the high sulfur KAP family. It is localized to a cluster of intronless KAPs at 21q22.3 which are located within the introns of the C21orf29 gene. [provided by RefSeq, Jul 2008]

KR102 Polyclonal Antibody - Additional Information

Gene ID 386679

Other Names
Keratin-associated protein 10-2, High sulfur keratin-associated protein 10.2, Keratin-associated protein 10.2, Keratin-associated protein 18-2, Keratin-associated protein 18.2, KRTAP10-2, KAP10.2, KAP18-2, KRTAP10.2, KRTAP18-2, KRTAP18.2

Target/Specificity
Restricted to a narrow region of the hair fiber cuticle, lying approximately 20 cell layers above the apex of the dermal papilla of the hair root; not detected in any other tissues.

Dilution
WB~~1:1000<br \><span class

="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br
\>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

KR102 Polyclonal Antibody - Protein Information

Name KRTAP10-2

Synonyms KAP10.2, KAP18-2, KRTAP10.2, KRTAP18-2,

Function
In the hair cortex, hair keratin intermediate filaments are embedded in an interfilamentous matrix, consisting of hair keratin- associated proteins (KRTAP), which are essential for the formation of a rigid and resistant hair shaft through their extensive disulfide bond cross-linking with abundant cysteine residues of hair keratins. The matrix proteins include the high-sulfur and high-glycine-tyrosine keratins.

Tissue Location
Restricted to a narrow region of the hair fiber cuticle, lying approximately 20 cell layers above the apex of the dermal papilla of the hair root; not detected in any other tissues

KR102 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KR102 Polyclonal Antibody - Images

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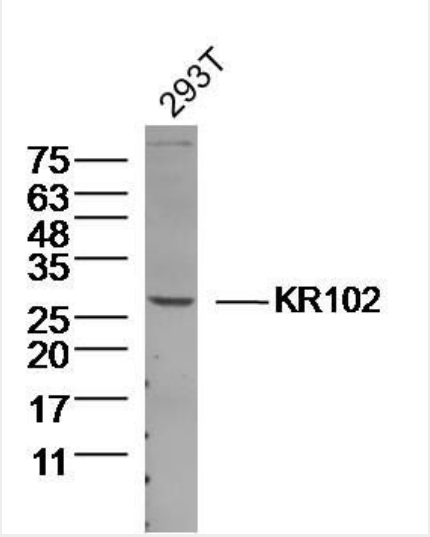

Sample: 293T Cell (Human) Lysate at 40 ug
Primary: Anti-KR102 (bs-16808R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 26 kD
Observed band size: 26 kD