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# anti-KRTAP8-1 antibody (Middle Region)





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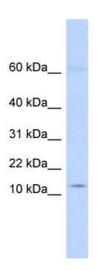
| Quantity:                       | 100 μL   |
|---------------------------------|--|
| Target:                         | KRTAP8-1   |
| Binding Specificity:            | Middle Region  |
| Reactivity:                     | Human, Cow, Dog, Goat, Guinea Pig, Horse, Rat, Sheep, Mouse, Rabbit  |
| Host:                           | Rabbit   |
| Clonality:                      | Polyclonal   |
| Conjugate:                      | This KRTAP8-1 antibody is un-conjugated  |
| Application:                    | Western Blotting (WB)  |
| Product Details                 |  |
| Immunogen:                      | The immunogen is a synthetic peptide directed towards the middle region of human KRTAP8-1  |
| Sequence:                       | LCDNFPGAVF PGCYWGSYGY PLGYSVGCGY GSTYSPVGYG FGYGYNGCGA   |
| Predicted Reactivity:           | Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 92%, Rat: 93%, Sheep: 100%        |
|                                 |  |
| Characteristics:                | This is a rabbit polyclonal antibody against KRTAP8-1. It was validated on Western Blot using a cell lysate as a positive control. |
| Characteristics:  Purification: |  |
|                                 | cell lysate as a positive control.   |

## Target Details

| Alternative Name: KRTAP8-1 (KRTAP8-1 Products)  Background: KRTAP8-1 belongs to the KRTAP type 8 family. In the hair cortex, hair keratin intern filaments are embedded in an interfilamentous matrix, consisting of hair keratin-as proteins (KRTAP), which are essential for the formation of a rigid and resistant hair through their extensive disulfide bond cross-linking with abundant cysteine residue. | ssociated<br>r shaft<br>es of hair  |  |
|---|---|--|
| filaments are embedded in an interfilamentous matrix, consisting of hair keratin-as proteins (KRTAP), which are essential for the formation of a rigid and resistant hair   | ssociated<br>r shaft<br>es of hair  |  |
| proteins (KRTAP), which are essential for the formation of a rigid and resistant hair   | r shaft<br>es of hair   |  |
|   | es of hair  |  |
| through their extensive disulfide hand areas linking with abundant exetains residue   |   |  |
| tillough their extensive distillue bond cross-linking with abundant cystellie residue   | tins.   |  |
| keratins. The matrix proteins include the high-sulfur and high-glycine-tyrosine kerat   |   |  |
| Alias Symbols: KAP8.1   |   |  |
| Protein Interaction Partner: RBPMS, DAZAP2, PSMA3, DAB1, CRYAB,   |   |  |
| Protein Size: 63  |   |  |
| Molecular Weight: 7 kDa   |   |  |
| Gene ID: 337879   |   |  |
| NCBI Accession: NM_175857, NP_787053  |   |  |
| UniProt: Q8IUC2   |   |  |
| Application Details   |   |  |
| Application Notes: Optimal working dilutions should be determined experimentally by the investigator.   |   |  |
| Comment: Antigen size: 63 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 SUBSTANC   | E 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°  | 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.

### **Images**



#### **Western Blotting**

**Image 1.** WB Suggested Anti-KRTAP8-1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human heart