



# Rabbit Anti-Human KRT1 Polyclonal Antibody (CABT-L2045)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Product Overview</b>   | Polyclonal Antibody to Keratin 1 (Knockout Validated)  |
| <b>Specificity</b>        | The antibody is a rabbit polyclonal antibody raised against KRT1. It has been selected for its ability to recognize KRT1 in immunohistochemical staining and western blotting. |
| <b>Target</b>             | KRT1   |
| <b>Immunogen</b>          | Recombinant fragment corresponding to human KRT1 (Glu487~Arg644)   |
| <b>Isotype</b>            | IgG  |
| <b>Source/Host</b>        | Rabbit   |
| <b>Species Reactivity</b> | Human, Mouse, Rat, Pig   |
| <b>Purification</b>       | Antigen-specific affinity chromatography followed by Protein A affinity chromatography   |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Applications</b>       | WB   |
| <b>Format</b>             | Liquid   |
| <b>Concentration</b>      | Lot specific   |
| <b>Size</b>               | 200 µg   |
| <b>Buffer</b>             | Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.   |
| <b>Preservative</b>       | 0.05% Proclin-300  |

|                |   |
|----------------|---|
| <b>Storage</b> | Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months. |
| <b>Ship</b>    | 4°C with ice bags   |

## BACKGROUND

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|---------------------|---|
| <b>Introduction</b> | The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the spinous and granular layers of the epidermis with family member KRT10 and mutations in these genes have been associated with bullous congenital ichthyosiform erythroderma. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq, Jul 2008] |
| <b>Keywords</b>     | CK1;EHK1;K1;KRT1A;KRT1-A;Cytokeratin 1;Epidermolytic Hyperkeratosis;Keratin, type II cytoskeletal 1;67 kDa cytokeratin;Type-II keratin Kb1  |

## GENE INFORMATION

|                            |   |
|----------------------------|---|
| <b>Gene Name</b>           | KRT1 keratin 1, type II [ Homo sapiens (human) ]  |
| <b>Official Symbol</b>     | KRT1  |
| <b>Synonyms</b>            | KRT1; keratin 1, type II; K1; CK1; EHK; EHK1; EPPK; KRT1A; NEPPK; keratin, type II cytoskeletal 1; CK-1; cytokeratin 1; cytokeratin-1; 67 kDa cytokeratin; hair alpha protein; type-II keratin Kb1; epidermolytic hyperkeratosis 1; |
| <b>Entrez Gene ID</b>      | <a href="#">3848</a>  |
| <b>Protein Refseq</b>      | NP_006112   |
| <b>UniProt ID</b>          | <a href="#">P04264</a>  |
| <b>Chromosome Location</b> | 12q13.13  |
| <b>Pathway</b>             | Corticotropin-releasing hormone; Regulation of Wnt-mediated beta catenin signaling and target gene transcription;   |
| <b>Function</b>            | carbohydrate binding; protein binding; receptor activity; structural molecule activity;   |