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anti-alpha Defensin 1 antibody (C-Term)



Image



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| Quantity: | 100 μg |
|-----------------------------|---|
| Target: | alpha Defensin 1 (DEFA1) |
| Binding Specificity: | AA 65-94, C-Term |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB) |
| Product Details | |
| Purpose: | Rabbit IgG polyclonal antibody for Neutrophil defensin 1(DEFA1) detection. Tested with WB in Human,Rat. |
| Immunogen: | A synthetic peptide corresponding to a sequence at the C-terminus of human Alpha Defensin 1 (65-94aa ACYCRIPACIAGERRYGTCIYQGRLWAFCC). |
| Sequence: | ACYCRIPACI AGERRYGTCI YQGRLWAFCC |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross reactivity with other proteins. |
| Characteristics: | Rabbit IgG polyclonal antibody for Neutrophil defensin 1(DEFA1) detection. Tested with WB in Human,Rat. Gene Name: defensin alpha 1 Protein Name: Neutrophil defensin 1 |
| Purification: | Immunogen affinity purified. |

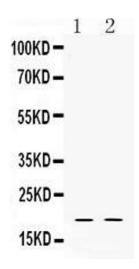
Target Details

| Target: | alpha Defensin 1 (DEFA1) | |
|---------------------|---|--|
| Alternative Name: | DEFA1 (DEFA1 Products) | |
| Background: | Defensin, alpha 1, also known as human alpha defensin 1, human neutrophil peptide 1 (HNP-1) | |
| | or neutrophil defensin 1 is a human protein that is encoded by the DEFA1 gene. Defensins are a | |
| | family of antimicrobial and cytotoxic peptides thought to be involved in host defense. They are | |
| | abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces | |
| | such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the | |
| | defensin family are highly similar in protein sequence and distinguished by a conserved | |
| | cysteine motif. The protein encoded by this gene, defensin, alpha 1, is found in the microbicidal | |
| | granules of neutrophils and likely plays a role in phagocyte-mediated host defense. Several | |
| | alpha defensin genes are clustered on chromosome 8. This gene differs from defensin, alpha 3 | |
| | by only one amino acid. This gene and the gene encoding defensin, alpha 3 are both subject to | |
| | copy number variation. | |
| | Synonyms: DEF1 DEFA1 DEFA1B DEFA2 Defensin 1 Defensin HNP-1 HNP-2 HNP1 | |
| | HP-1 HP-2 HP1 HP2 MRS P59665 | |
| Gene ID: | 1667 | |
| UniProt: | P59665 | |
| Pathways: | Cellular Response to Molecule of Bacterial Origin | |
| Application Details | | |
| Application Notes: | WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Rat | |
| | Notes: Tested Species: Species with positive results. | |
| | Other applications have not been tested. Optimal dilutions should be determined by end users. | |
| Comment: | Antibody can be supported by chemiluminescence kit ABIN921124 in WB. | |
| Restrictions: | For Research Use only | |
| Handling | | |
| Format: | Lyophilized | |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 μg/mL. | |
| | | |

Handling

| Buffer: | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg 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. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |

Images



Western Blotting

Image 1. Western blot analysis of Alpha Defensin 1 expression in rat testis extract (Lane 1) and HELA whole cell lysates (Lane 2). Alpha Defensin 1 at 19KD was detected using rabbit anti- Alpha Defensin 1 Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).