

Datasheet for ABIN5647108

anti-alpha Defensin 1 antibody (AA 65-94)[Go to Product page](#)**1** Image

Overview

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| Quantity: | 100 µg |
| Target: | alpha Defensin 1 (DEFA1) |
| Binding Specificity: | AA 65-94 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This alpha Defensin 1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | Amino acids 65-94 (ACYCRIPACIAGERRYGTCTIYQGRLWAFCC) from the human protein were used as the immunogen for the Alpha Defensin 1 antibody. |
| Isotype: | IgG |
| Purification: | Antigen affinity purified |

Target Details

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| Target: | alpha Defensin 1 (DEFA1) |
| Alternative Name: | Alpha Defensin 1 / 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 |

Target Details

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.

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| UniProt: | P59665 |
| Pathways: | Cellular Response to Molecule of Bacterial Origin |

Application Details

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| Application Notes: | Optimal dilution of the Alpha Defensin 1 antibody should be determined by the researcher.\. WB: 0.5-1 µg/mL |
| Restrictions: | For Research Use only |

Handling

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| Buffer: | 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water |
| Storage: | -20 °C |
| Storage Comment: | After reconstitution, the Alpha Defensin 1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing. |

Images



Western Blotting

Image 1. Western blot testing of 1) rat testis and 2) human HeLa lysate with Alpha Defensin 1 antibody at 0.5ug/ml. Predicted molecular weight ~19 kDa.