

Datasheet for ABIN116329

anti-alpha Defensin 1 antibody[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	alpha Defensin 1 (DEFA1)
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This alpha Defensin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Functional Studies (Func)

Product Details

Immunogen:	Highly pure (>98%) recombinant Human NP-1
Specificity:	The antibody recognizes Human NP-1.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity Chromatography employing immobilized hNP-1 matrix

Target Details

Target:	alpha Defensin 1 (DEFA1)
Alternative Name:	Defensin alpha 1 (DEFA1 Products)
Background:	Defensins are a group of cyclic peptides containing 29-35 amino acids, which comprise approximately 30 % of the total protein content of neutrophil azurophilic granules. Various functions have been reported for the defensins, including antibacterial and antifungal activity and chemotactic activity for monocytes.Synonyms: DEF-1, DEF-3, DEF-A1, DEF-A2, DEF-A3,

Target Details

	DEF1, DEF3, DEFA-1, DEFA-2, DEFA-3, DEFA1, DEFA2, DEFA3, Defensin alpha 1, Defensin alpha 3, HNP-1, HNP-3, HNP1, HNP3, HP-1, HP-3, HP1, HP3, MRS, Neutrophil defensin 1, Neutrophil defensin 3
Gene ID:	1667
NCBI Accession:	NP_001035965
UniProt:	P59665
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	<p>ELISA. Indirect: To detect hNP-1 by indirect ELISA (using 100 µL/well antibody solution) a concentration of 0.5-2.0 µg/mL of this antibody is required. This antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant hNP-1. Sandwich: To detect hNP-1 by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.5-2.0 µg/mL of this antibody is required. This antibody, in conjunction with a biotinylated Anti-Human NP-1 (PP1112B) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant hNP-1. Western Blot: To detect hNP-1 by Western Blot analysis this antibody can be used at a concentration of 0.1- 0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hNP-1 is 1.5- 3.0 ng/lane, under either reducing or non-reducing conditions. Neutralization: To yield one-half maximal inhibition (ND50) of the biological activity of hNP-1 (100 ng/mL), a concentration of 0.40-0.60 µg/mL of this antibody has been used with previous lots.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

Handling

Reconstitution:	Restore in sterile water to a concentration of 0.1-1.0 mg/mL.
Buffer:	PBS, pH 7.2 without preservatives.
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing. Centrifuge vial prior to opening.
Storage:	4 °C/-20 °C

Handling

Storage Comment: The lyophilized antibody is stable for one year from despatch at -20 °C. The reconstituted antibody is stable for two weeks at 2-8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C.

Expiry Date: 12 months