

[24236072](http://www.uniprot.org/citations/24236072)). Interacts with the essential precursor of cell wall synthesis lipid II to inhibit bacterial cell wall synthesis (PubMed:[20214904](http://www.uniprot.org/citations/20214904)). Inhibits adenovirus infection via inhibition of viral disassembly at the vertex region, thereby restricting the release of internal capsid protein pVI, which is required for endosomal membrane penetration during cell entry (PubMed:[18191790](http://www.uniprot.org/citations/18191790)). In addition, interaction with adenovirus capsid leads to the redirection of viral particles to TLR4 thereby promoting a NLRP3-mediated inflammasome response and interleukin 1-beta (IL-1beta) release (PubMed:[35080426](http://www.uniprot.org/citations/35080426)). Induces the production of proinflammatory cytokines including type I interferon (IFN) in plasmacytoid dendritic cells (pDCs) by triggering the degradation of NFkBIA and nuclear translocation of IRF1, both of which are required for activation of pDCs (PubMed:[27031443](http://www.uniprot.org/citations/27031443)).

Cellular Location

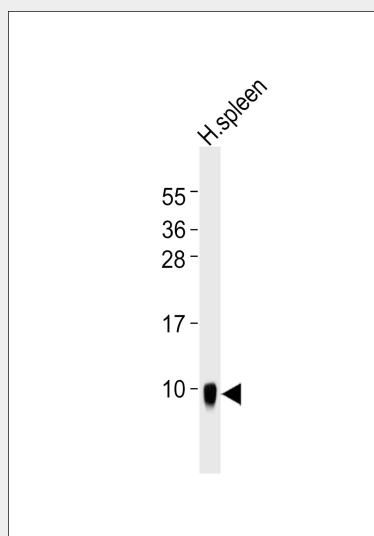
Secreted.

Defensin alpha 1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Defensin alpha 1 Antibody - Images



Anti-Defensin alpha 1 Antibody at 1:1000 dilution + human spleen lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 10 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Defensin alpha 1 Antibody - Background

Defensin 1 and defensin 2 have antibacterial, fungicide and antiviral activities. Has antimicrobial activity against Gram- negative and Gram-positive bacteria. Defensins are thought to kill microbes by permeabilizing their plasma membrane.

Defensin alpha 1 Antibody - References

Daher K.A.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:7327-7331(1988).
Mars W.M.,et al.Blood 71:1713-1719(1988).
Wiedemann L.M.,et al.Leukemia 3:227-234(1989).
Mars W.M.,et al.J. Biol. Chem. 270:30371-30376(1995).
Linzmeier R.,et al.FEBS Lett. 321:267-273(1993).