

beta Defensin 1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57970**Specification**

beta Defensin 1 Polyclonal Antibody - Product Information

Application	IHC-F, IF, E
Primary Accession	P60022
Host	Rabbit
Clonality	Polyclonal
Calculated MW	7420

beta Defensin 1 Polyclonal Antibody - Additional Information**Gene ID** 1672**Other Names**

Beta-defensin 1, BD-1, hBD-1, Defensin, beta 1, DEFB1, BD1, HBD1

Dilution

IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
E ~ ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

beta Defensin 1 Polyclonal Antibody - Protein Information**Name** DEFB1**Synonyms** BD1, HBD1**Function**

Has bactericidal activity. May act as a ligand for C-C chemokine receptor CCR6. Positively regulates the sperm motility and bactericidal activity in a CCR6-dependent manner. Binds to CCR6 and triggers Ca²⁺ mobilization in the sperm which is important for its motility (PubMed: [25122636](http://www.uniprot.org/citations/25122636)).

Cellular Location

Secreted. Membrane. Note=Associates with tumor cell membrane-derived microvesicles (PubMed:23938203)

Tissue Location

Blood plasma. Sperm. Highly expressed in the lower head and midpiece of sperm. Significantly

reduced levels found in the sperms of asthenozoospermia and leukocytospermia patients (at protein level).

beta Defensin 1 Polyclonal 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](#)

beta Defensin 1 Polyclonal Antibody - Images