

**beta Defensin 1 Antibody**  
**Rabbit mAb**  
**Catalog # AP91963****Specification**

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**beta Defensin 1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P60022</a>
Clonality	Monoclonal
<b>Other Names</b>	
BD1; beta 1; DEFB1; DEFB101; Defensin; Defensin beta 1; HBD1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	7420 Da

**beta Defensin 1 Antibody - Additional Information**

Dilution	WB~~1:1000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human beta Defensin 1
Description	Has bactericidal activity.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**beta Defensin 1 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 Ca<sup>2+</sup> mobilization in the sperm which is important for its motility (PubMed:<a href="http://www.uniprot.org/citations/25122636" target="\_blank">25122636</a>).

**Cellular Location**

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

**Tissue Location**

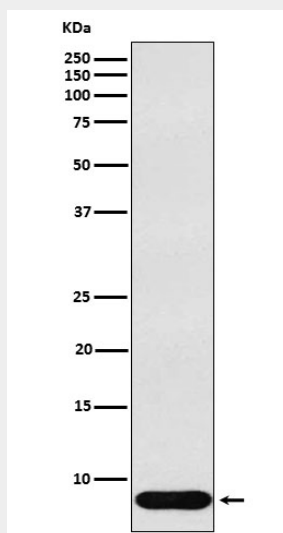
Blood plasma. Sperm. Highly expressed in the lower head and midpiece of sperm. Significantly reduced levels found in the sperms of asthenozoospermia and leukocytospermia patients (at protein level).

## beta Defensin 1 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 Antibody - Images



Western blot analysis of beta Defensin 1 expression in Human recombinant beta Defensin 1 lysate.