

beta Defensin 1 Antibody
Rabbit mAb
Catalog # AP91963**Specification****beta Defensin 1 Antibody - Product Information**

Application	WB
Primary Accession	P60022
Clonality	Monoclonal
Other Names	
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 Ca²⁺ mobilization in the sperm which is important for its motility (PubMed:25122636).

Cellular Location

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

Tissue Location

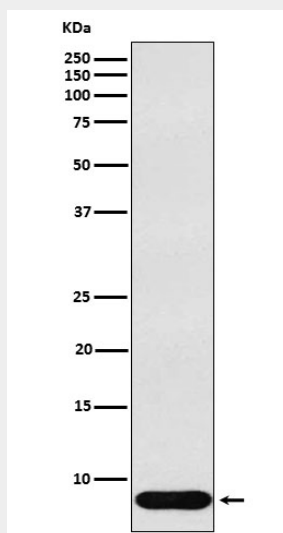
Blood plasma. Sperm. Highly expressed in the lower head and midpiece of sperm. Significantly reduced levels found in the sperms of asthenozoospermia and leukocytospermia patients (at protein level).

beta Defensin 1 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.