

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

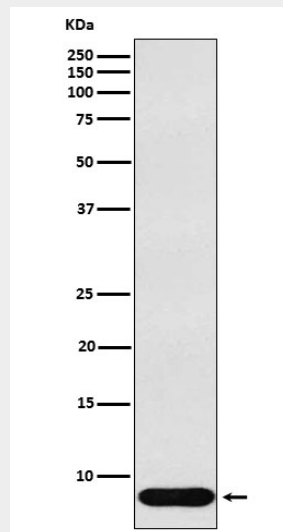
Blood plasma. Sperm. Highly expressed in the lower head and midpiece of sperm. Significantly reduced levels found in the sperms of asthenozoospermia and leukocytospermia patients (at protein level).

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.