

# Anti-beta Defensin 1 Rabbit Monoclonal Antibody

Catalog # ABO15443

## **Specification**

## Anti-beta Defensin 1 Rabbit Monoclonal Antibody - Product Information

Application WB
Primary Accession P60022
Host Rabbit
Isotype IgG
Reactivity Human
Clonality Monoclonal
Format Liquid

**Description** 

Anti-beta Defensin 1 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human.

# Anti-beta Defensin 1 Rabbit Monoclonal Antibody - Additional Information

**Gene ID 1672** 

**Other Names** 

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

**Application Details** 

WB 1:500-1:2000

**Contents** 

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen** 

A synthesized peptide derived from human beta Defensin 1

**Purification** 

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

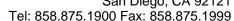
# Anti-beta Defensin 1 Rabbit Monoclonal Antibody - Protein Information

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: <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**

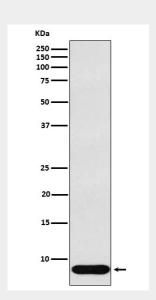
Blood plasma. Sperm. Highly expressed in the lower head and midpiece of sperm. Significantly reduced levels found in the sperms of asthenozoospermia and leukocytospermia patients (at protein level).

### Anti-beta Defensin 1 Rabbit Monoclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

### Anti-beta Defensin 1 Rabbit Monoclonal Antibody - Images



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