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beta Defensin 1 Antibody

Rabbit mAb
Catalog # AP91963

Product Information

Application	WB
Primary Accession	P60022
Reactivity	Human
Clonality	Monoclonal
Other Names	BD1; beta 1; DEFB1; DEFB101; Defensin; Defensin beta 1; HBD1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	7420

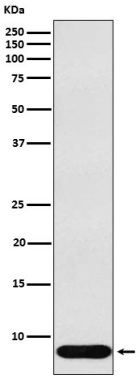
Additional Information

Dilution	WB 1:500~1:2000
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.

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).

Images



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

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