

# beta Defensin 1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57970

## Product Information

<b>Application</b>	IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">P60022</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	7420

## Additional Information

<b>Gene ID</b>	1672
<b>Other Names</b>	Beta-defensin 1, BD-1, hBD-1, Defensin, beta 1, DEFB1, BD1, HBD1
<b>Dilution</b>	IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glycerol
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

<b>Name</b>	DEFB1
<b>Synonyms</b>	BD1, HBD1
<b>Function</b>	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="#">25122636</a> ).
<b>Cellular Location</b>	Secreted. Membrane. Note=Associates with tumor cell membrane-derived microvesicles (PubMed:23938203)
<b>Tissue Location</b>	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).