



Anti-DEFENSIN BETA 2 polyclonal antibody (CPBT-65113GH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Goat anti Human Defensin beta 2 polyclonal antibody recognizes human Defensin beta-2 (BD-2), a ~4.3kDa cationic antimicrobial peptide, also known as Beta-defensin 4A or Skin-antimicrobial peptide 1 (SAP-1) expressed primarily by epithelial cells of the respiratory tract and skin, and an important component of the innate immune response against microbial infections. Expression of BD-2 is induced during inflammation in response to bacterial products and cytokines, and is initially expressed in a precursor form, which is cleaved to release the C-Terminal active portion of the protein which is secreted by the neutrophil and binds to bacterial membranes causing their disruption. ELISA This purified human BD-2 antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with a biotinylated human BD-2 antibody (B) as the detection reagent and recombinant human BD-2 (PHP161) as the standard Western Blotting This purified human BD-2 antibody may be used in Western Blotting applications under either reducing or non-reducing conditions with recombinant human BD-2 (PHP161) as the positive control.

Specificity	DEFENSIN BETA 2
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA; FA; IHC-P; WB
Format	Purified IgG - lyophilised
Size	100 µg

Preservative	None
Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	DEFB4A defensin, beta 4A [Homo sapiens (human)]
Official Symbol	DEFB4A
Synonyms	DEFB4A; defensin, beta 4A; BD-2; SAP1; DEFB2; DEFB4; HBD-2; DEFB-2; DEFB102; beta-defensin 4A; defensin, beta 2; defensin, beta 4; skin-antimicrobial peptide 1; DEFENSIN BETA 2;
Entrez Gene ID	1673
Protein Refseq	NP_004933
UniProt ID	O15263
Chromosome Location	8p23.1
Pathway	Beta defensins; Defensins; Immune System; Innate Immune System;