

DATASHEET

Dermcidin Rabbit Polyclonal Antibody

CAT. NO. APA13072

KEY FEATURES

Target	Dermcidin	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Found in sweat, has an antimicrobial activity during early bacterial colonization . The secreted peptide assembles into homohexameric complexes that can associate with and also insert into pathogen membranes . Once inserted in bacteria membranes forms anion channels probably altering the transmembrane potential essential for bacterial survival . Highly effective against E.coli, E.faecalis, S.aureus and C.albicans . Optimal pH and salt concentration resemble the conditions in sweat . Also exhibits proteolytic activity, cleaving on the C-terminal side of Arg and, to a lesser extent, Lys residues .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:100

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

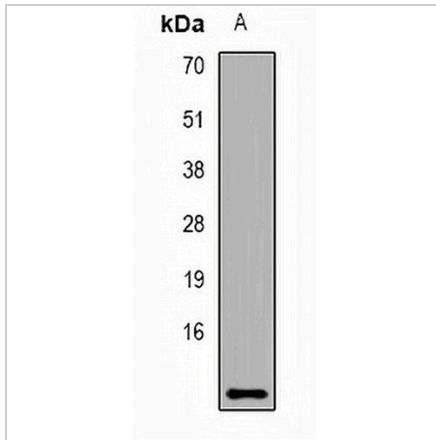
Description	Rabbit polyclonal antibody to Dermcidin
Specificity	Recognizes endogenous levels of Dermcidin protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Dermcidin
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 11 kD; Observed: 11 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	AIDD; DSEP; Dermcidin; Preproteolysin
Gene Symbol	DCD
Entrez Gene	117159(Human)
SwissProt	P81605(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

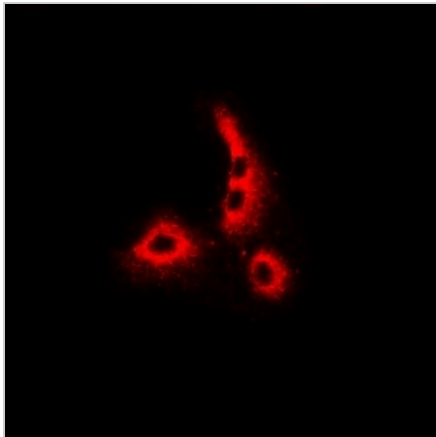
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Dermcidin expression in mouse skin (A) whole cell lysates.
(Predicted band size: 11 kD; Observed band size: 11 kD)



Immunofluorescent analysis of Dermcidin staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.