

Datasheet for ABIN6139522

anti-alpha Defensin 1 antibody (AA 1-94)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	alpha Defensin 1 (DEFA1)
Binding Specificity:	AA 1-94
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This alpha Defensin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-94 of human DEFA1 (NP_004075.1).
Sequence:	MRTLAILAAI LLVALQAQAE PLQARADEVA AAPEQIAADI PEVVVSLAWD ESLAPKHPGS RKNMACYCRI PACIAGERRY GTCIYQGRLW AFCC
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

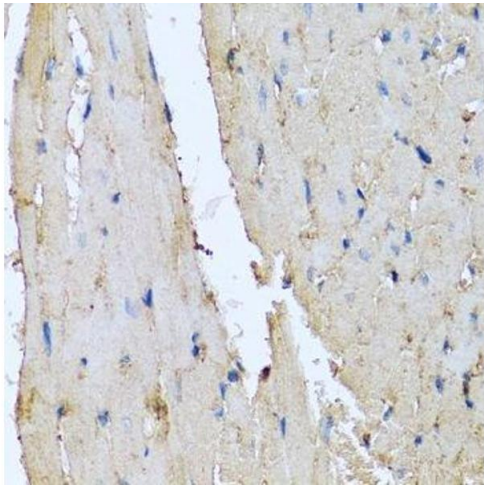
Target:	alpha Defensin 1 (DEFA1)
Alternative Name:	DEFA1 (DEFA1 Products)
Background:	<p>Defensins are a family of antimicrobial and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the defensin family are highly similar in protein sequence and distinguished by a conserved cysteine motif. The protein encoded by this gene, defensin, alpha 1, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. Several alpha defensin genes are clustered on chromosome 8. This gene differs from defensin, alpha 3 by only one amino acid. This gene and the gene encoding defensin, alpha 3 are both subject to copy number variation.,DEFA1,DEF1,DEFA2,HNP-1,HP-1,HP1,MRS,Immunology & Inflammation,DEFA1</p>
Molecular Weight:	10 kDa
Gene ID:	1667
UniProt:	P59665
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

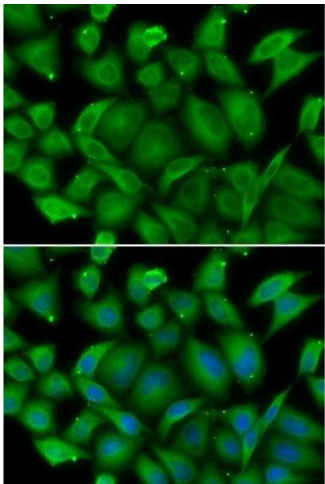
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



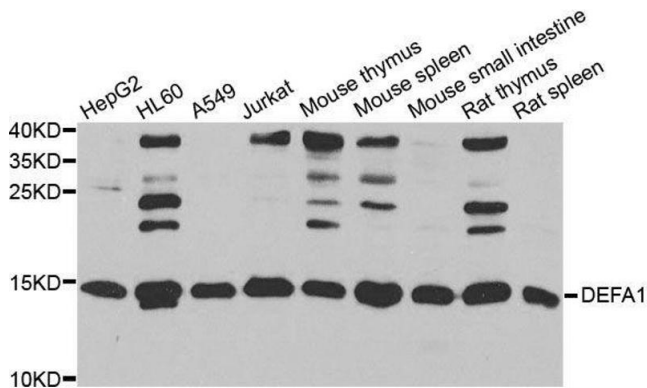
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded rat heart using DEFA1 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cells using DEFA1 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using DEFA1 antibody.