

Product datasheet

Anti-beta 4 Defensin antibody [L13-10-D1] ab14419

★★★★★ 1 Abreviews 2 References 1 Image

Overview

Product name	Anti-beta 4 Defensin antibody [L13-10-D1]
Description	Mouse monoclonal [L13-10-D1] to beta 4 Defensin
Host species	Mouse
Tested applications	Suitable for: ELISA, WB, RIA, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide: ELDRICGYGT ARCRKKCRSQ EYRIGRCPNT YACCLRK), corresponding to amino acids 25-61 of Human beta 4 Defensin (precursor, SwissProt Q8WTQ1). Run BLAST with ExPASy Run BLAST with NCBI

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 50mM Tris HCl. pH 7.4
Purity	Protein G purified
Clonality	Monoclonal
Clone number	L13-10-D1
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab14419** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		
WB		

Application	Abreviews	Notes
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RIA

IHC-P



Application notes

ELISA: Use at an assay dependent dilution.
 IHC-P: Tested in uterus and kidney sections. Use at an assay dependent dilution.
 RIA: Use at an assay dependent dilution.
 WB: Use at an assay dependent dilution. Predicted molecular weight: 8 kDa.

Not yet tested in other applications.
 Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Has antimicrobial activity. Synergistic effects with lysozyme and DEFB103.

Tissue specificity

High expression in the testis. Gastric antrum exhibited relatively high levels. A lower expression is observed in uterus and neutrophils thyroid gland, lung, and kidney. No detectable expression in other tissues tested.

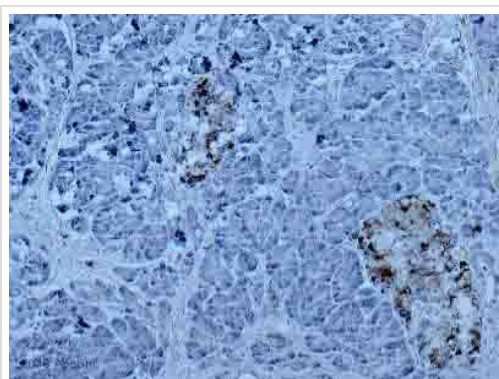
Sequence similarities

Belongs to the beta-defensin family.

Cellular localization

Secreted.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta 4 Defensin antibody [L13-10-D1] (ab14419)

Image courtesy of Dr Ilka Werner-Martini by Abreview

ab14419 staining beta 4 Defensin in human pancreatic tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Tissue was fixed with formaldehyde and a heat mediated antigen retrieval step was performed. Samples were then incubated with the primary antibody at a 1/100 dilution for 1 hour at 25°C. An undiluted HRP-conjugated goat IgG polyclonal was used as the secondary antibody.

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