

Datasheet for ABIN1396197

## anti-beta 2 Defensin antibody (AA 24-64) (AbBy Fluor® 488)



[Go to Product page](#)

### Overview

Quantity:	100 µL
Target:	beta 2 Defensin (BD-2)
Binding Specificity:	AA 24-64
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This beta 2 Defensin antibody is conjugated to AbBy Fluor® 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human beta 2 Defensin
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human
Purification:	Purified by Protein A.

### Target Details

Target:	beta 2 Defensin (BD-2)
Abstract:	<a href="#">BD-2 Products</a>

## Target Details

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**Background:** Synonyms: BD-2, SAP1, DEFB2, DEFB4, HBD-2, DEFB-2, DEFB12, Beta-defensin 4A, Beta-defensin 2, Defensin, beta 2, Skin-antimicrobial peptide 1, DEFB4A

Background: Beta-defensins (also designated BD, and hBD in human) are small cationic peptides with broad-spectrum antimicrobial activity. Produced in mucosal epithelia and neutrophils of several species, Beta-defensins are developmentally regulated. Human b-defensin 2 is locally regulated by inflammation and is the first member of the b-defensin family that is locally inducible by inflammation. The murine homolog of human b-defensin 2, which is called b-defensin 3, is present in the respiratory system and in low levels in the epithelial cells of the intestine and lung. The unique murine b-defensin 2 (Defb2) is not expressed in airways of untreated mice, but is upregulated in the airways by lipopolysaccharide and may contribute to host defense at the mucosal surface of the airways

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**Gene ID:** 1673

**UniProt:** [O15263](#)

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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**Expiry Date:** 12 months