

## DEFB4 polyclonal antibody

Catalog: BS7188

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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. Unlike the other previously described human  $\beta$ -defensins, human  $\beta$ -defensin 4 (hBD-4) expression is restricted to a few tissues, with highest expression in testis. A restricted pattern is also exhibited by mouse  $\beta$ -defensin 4. Rat  $\beta$ -defensin 4 (also designated BD-4, RBD-4, BD-2, and RBD-2) is developmentally regulated in the lung and is predominantly expressed in the lung and, to a lesser extent, in the trachea and tongue. It exhibits a regulation pattern similar to that of specific genes involved in host defense around the time of birth. The selectivity in both expression pattern and antimicrobial activity of human  $\beta$ -defensin 4 suggests that it is best suited to act at the epithelial locations where it is expressed.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 8 kDa

### Swiss-Prot:

O15263

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:2000

IHC: 1:50~1:200

IF: 1:50~1:200

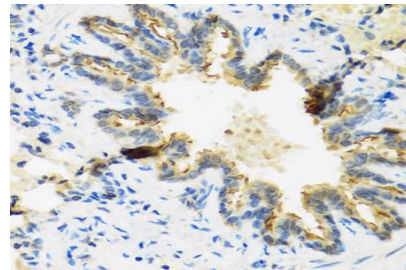
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

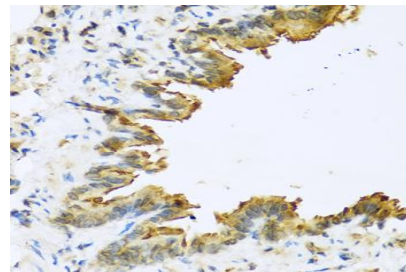
### Specificity:

DEFB4 polyclonal antibody detects endogenous levels of DEFB4 protein.

### DATA:



Immunohistochemistry of paraffin-embedded rat lung using DEFB4A antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using DEFB4A antibody at dilution of 1:100 (40x lens).

### Note:

For research use only, not for use in diagnostic procedure.

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