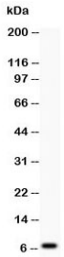
Beta Defensin 1 Antibody / DEFB1 (R30522)

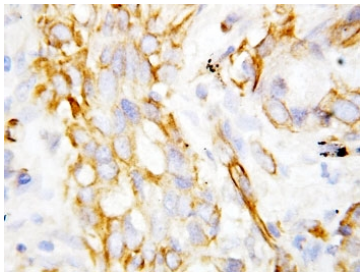
Catalog No.	Formulation	Size
R30522	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P60022
Localization	Secreted
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This beta Defensin 1 antibody is available for research use only.



Western blot testing of Defensin 1 antibody and human COLO320 lysate; Predicted molecular weight ~7 kDa.



IHC-P: beta Defensin 1 antibody testing of lung cancer tissue

Description

Beta-defensin 1, is a protein that in humans is encoded by the DEFB1 gene. DEFB1 belongs to the defensin family. Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. The DEFB1 gene spans more than 7 kb and includes a large 6,962-bp intron. By 2-color fluorescence in situ hybridization on both metaphase chromosomes and released chromatin fiber, the DEFB1 gene is mapped to 8p23.2-p23.1, within 100 to 150 kb of the gene for human neutrophil defensin-alpha-1. DEFB1 may augment neonatal host defenses through antimicrobial effects or prime the adaptive immune system at mucosal surfaces.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the beta Defensin 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human beta Defensin 1 (FTKIQGTCYRGKAKCCK) was used as the immunogen for this beta Defensin 1 antibody.

Storage

After reconstitution, the beta Defensin 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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