

## Defensin $\alpha$ 1 (S52) polyclonal antibody

Catalog: BS3505

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Defensins are a family of microbicidal and cytotoxic peptides which are made by neutrophils and are thought to be involved in host defense. Defensins are abundant in the granules of neutrophils and are also found in the epithelia of mucosal surfaces such as those of the intestine, respiratory tract, urinary tract and vagina. There are six  $\alpha$ -defensins, which are known as human neutrophil peptides (HNPs) in humans. HNP-1, 2, 3 and 4 are found in the microbicidal granules of neutrophils; HNP-5 and HNP-6 are located in Paneth cells of the intestinal tract. HNP-1 is found in the microbicidal granules of neutrophils and probably plays a role in phagocyte-mediated host defense. HNP-1, HNP-2 and HNP-3, which comprise about 30% of the total granule protein of the neutrophil, are secreted by most normal individuals. The HNP-1 protein is encoded by the  $\alpha$ 1-defensin (DEFA1) gene. HNP-3 is encoded by the  $\alpha$ 3-defensin (DEFA3) gene.

### Product:

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

### Molecular Weight:

~ 10 kDa

### Swiss-Prot:

P59665

### 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:

IHC: 1:50~1:200

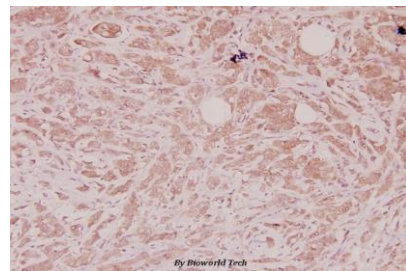
### Storage&Stability:

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

### Specificity:

Defensin  $\alpha$ 1 (S52) polyclonal antibody detects endogenous levels of Defensin  $\alpha$ 1 protein.

### DATA:



Immunohistochemistry (IHC) analyzes of Defensin  $\alpha$ 1 (S52) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

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

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