

## TGF $\alpha$ (R139) polyclonal antibody

Catalog: BS1359

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Transforming growth factor  $\alpha$  (TGF $\alpha$ ) is an acid- and heat-stable 50 amino acid protein originally found in rodents and humans. TGF $\alpha$  is 33% homologous at the amino acid level to epidermal growth factor (EGF). TGF $\alpha$  binds to the EGF receptor, mediates tyrosine phosphorylation of the receptor and promotes anchorage-independent growth of normal rat fibroblasts in soft agar in the presence of transforming growth factor  $\beta$ . TGF $\alpha$  is secreted by a variety of transformed cells and tumors, embryonic cells and some normal adult cells. TGF $\alpha$  bioactivity has been found in the urine of cancer patients. It has been suggested that it may act as an autocrine growth factor for the induction or maintenance of malignancy.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 10, 17 kDa

### Swiss-Prot:

P01135

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC: 1:50~1:200

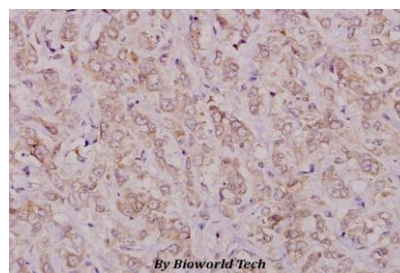
### Storage&Stability:

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

### Specificity:

TGF  $\alpha$  (R139) polyclonal antibody detects endogenous levels of TGF  $\alpha$  protein.

### DATA:



Immunohistochemistry (IHC) analyzes of TGF $\alpha$  (R139) 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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