

TGF β 3 (G292) polyclonal antibody

Catalog: BS1363

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Transforming growth factor betas (TGF β s) were originally discovered due to their ability to promote anchorage-independent growth of rat NRK fibroblasts in the presence of TGF α . It is now realized that TGF β s mediate many cell-cell interactions that occur during embryonic development. Three TGF β s have been identified in mammals. TGF β 1, TGF β 2 and TGF β 3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecules. Biologically active TGF β requires dimerization of the monomers (usually homodimers) and release of the latent peptide portion. Overall, the mature region of the TGF β 3 protein has approximately 80% identity to the mature region of both TGF β 1 and TGF β 2. However, the NH₂ terminals or precursor regions of their molecules share only 27% sequence identity.

Product:

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

Molecular Weight:

~ 50 kDa

Swiss-Prot:

P10600

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

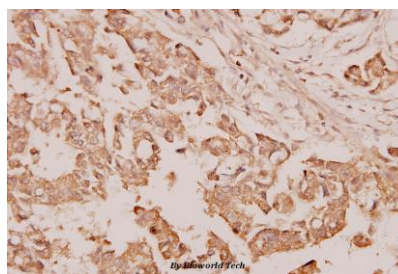
Storage&Stability:

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

Specificity:

TGF β 3 (G292) polyclonal antibody detects endogenous levels of pro-TGF β 3 (47 kDa) and Cleaved-TGF β 3 (13 kDa) protein.

DATA:



Immunohistochemistry (IHC) analyzes of TGF β 3 (G292) 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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