



## Polyclonal Anti- Transforming growth factor alpha, **TGF $\alpha$** (Sephacose Bead Conjugate)

**Catalogue No.** PA1360-S

**Lot No.** 01310120260124

**Ig type:** rabbit IgG

**Size:** 100 $\mu$ g/vial

**Specificity**

Human. No cross reactivity with other proteins.

**Recommended application**

(Immunoprecipitation(IP))

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminal of human TGF $\alpha$  (73-90 aa), different from the mouse sequence by one amino acid.

**Purification**

Immunogen affinity purified.

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

**Storage**

Store at 4°C for frequent use.

**Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

## BACKGROUND

Transforming growth factor alpha (TGF- $\alpha$ ) is upregulated in some human cancers. It is produced in macrophages, brain cells, and keratinocytes, and induces epithelial development. It is closely related to EGF, and can also bind to the EGF receptor with similar effects . TGF $\alpha$  stimulates neural cell proliferation in the adult injured brain. TGF $\alpha$  was cited in the 2001 NIH Stem Cell report to the U.S. Congress as promising evidence for the ability of adult stem cells to restore function in neurodegenerative disorders.

## REFERENCE

1. In vivo induction of massive proliferation, directed migration, and differentiation of neural cells in the adult mammalian brain.

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