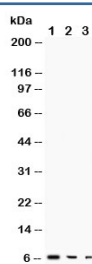


## TGF alpha Antibody (R30427)

Catalog No.	Formulation	Size
R30427	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	P01135
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This TGF alpha antibody is available for research use only.



Western blot testing of TGF alpha antibody and Lane 1: recombinant human protein  
10ng; 2: 5ng; 3: 2.5ng

## Description

Transforming growth factor  $\alpha$  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.

## Application Notes

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

## Immunogen

Amino acids 73-89 (CHSGYVGARCEHADLLA-human) were used as the immunogen for this TGF alpha antibody.

## Storage

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