

## TGF alpha Rabbit mAb

Catalog No: #49822

Package Size: #49822-1 50ul #49822-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

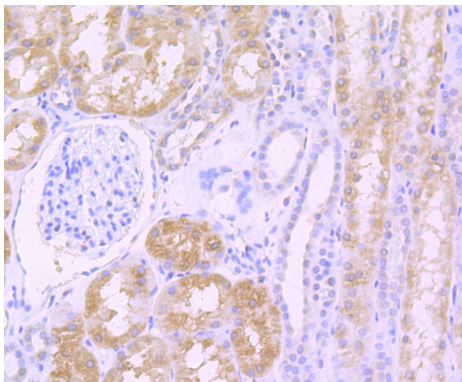
## Description

Product Name	TGF alpha Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB58-36
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC,IP
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	EGF like TGF antibody EGF-like TGF antibody ETGF antibody TFGA antibody TGF A antibody TGF type 1 antibody TGF-alpha antibody Tgfa antibody TGFA_HUMAN antibody Transforming growth factor alpha antibody Transforming growth factor alpha precursor antibody Wa1 antibody Waved 1 antibody
Accession No.	Swiss-Prot#:P01135
Uniprot	P01135
GeneID	7039;
Calculated MW	17 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

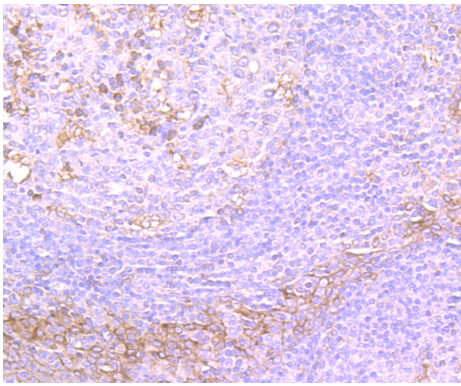
## Application Details

WB: 1:500 IHC: 1:50-1:200 ICC: 1:50-1:200

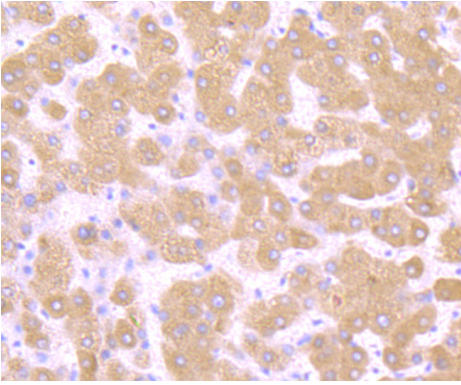
## Images



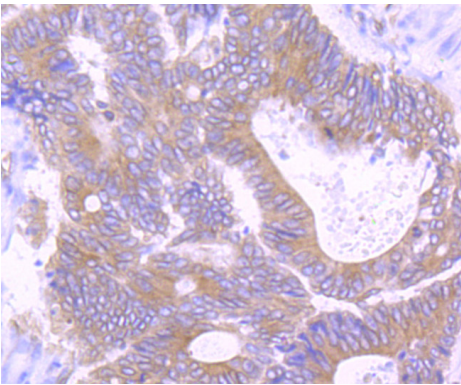
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-TGF alpha antibody. Counter stained with hematoxylin.



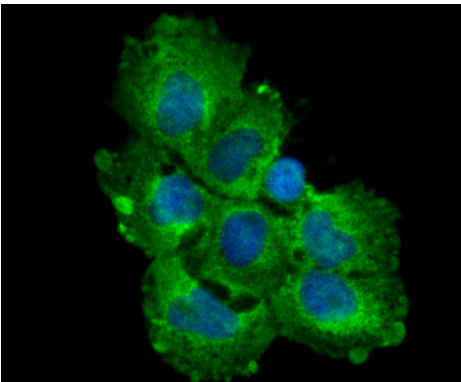
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-TGF alpha antibody. Counter stained with hematoxylin.



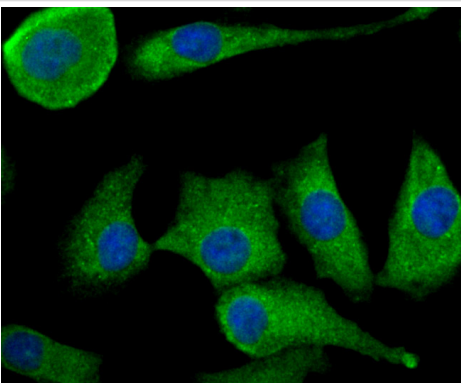
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-TGF alpha antibody. Counter stained with hematoxylin.



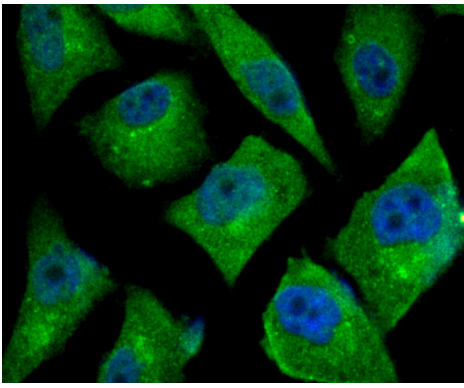
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-TGF alpha antibody. Counter stained with hematoxylin.



ICC staining TGF alpha in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining TGF alpha in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining TGF alpha in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## 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.

## References

Note: This product is for in vitro research use only