

TGF α Rabbit pAb

CatalogNo: YT4626 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat, Monkey

Applications

- WB, IHC, IF, ELISA

MW

- 10kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000**IHC 1:100-1:300****ELISA 1:10000****IF 1:50-200**

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** 1 mg/ml

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human TGF alpha. AA range:111-160**Specificity** TGF α Polyclonal Antibody detects endogenous levels of TGF α protein.

Target Information

Gene name TGFA

Protein Name Protransforming growth factor alpha

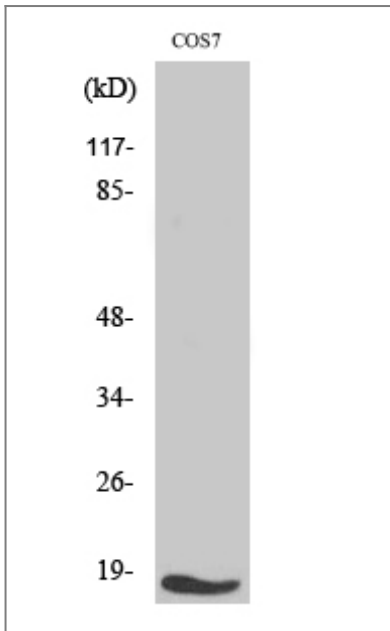
Organism	Gene ID	UniProt ID
Human	7039 ;	P01135 ;
Mouse	21802 ;	P48030 ;
Rat	24827 ;	P01134 ;

Cellular Localization [Transforming growth factor alpha]: Secreted, extracellular space.; [Protransforming growth factor alpha]: Cell membrane; Single-pass type I membrane protein.

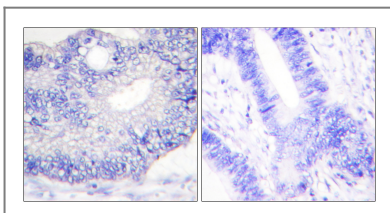
Tissue specificity Isoform 1, isoform 3 and isoform 4 are expressed in keratinocytes and tumor-derived cell lines.

Function Function:TGF alpha is a mitogenic polypeptide that is able to bind to the EGF receptor and to act synergistically with TGF beta to promote anchorage-independent cell proliferation in soft agar.,similarity:Contains 1 EGF-like domain.,subunit:Interacts with the PDZ domains of MAGI3, SDCBP and SNTA1. The interaction with SDCBP, is required for the targeting to the cell surface. In the endoplasmic reticulum, in its immature form (i.e. with a prosegment and lacking full N-glycosylation), interacts with CNIH. In the Golgi apparatus, may form a complex with CNIH and GORASP2.,

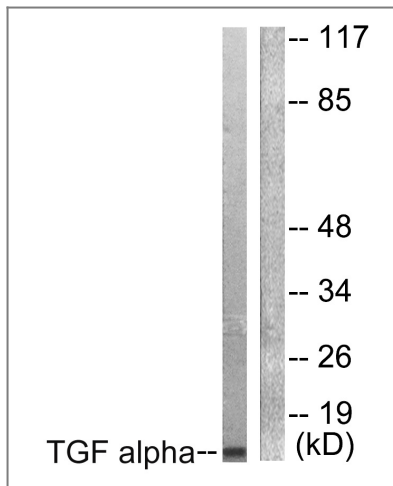
Validation Data



Western Blot analysis of various cells using TGF α Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using TGF alpha Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, using TGF alpha Antibody. The lane on the right is blocked with the synthesized peptide.

Contact information

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TGF α Rabbit pAb

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