

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** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

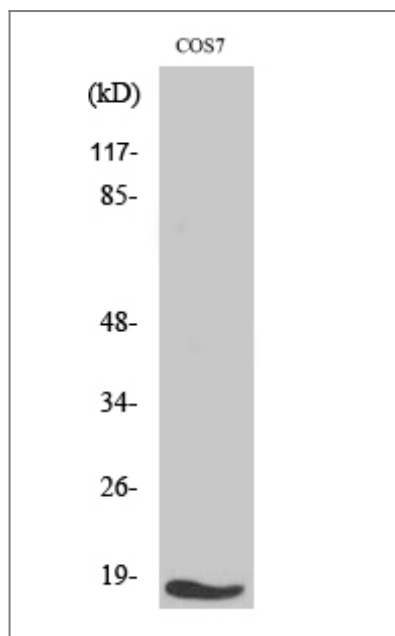
Immunogen Information

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

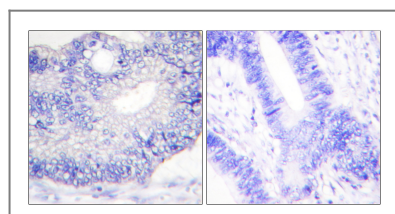
Target Information

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.,		

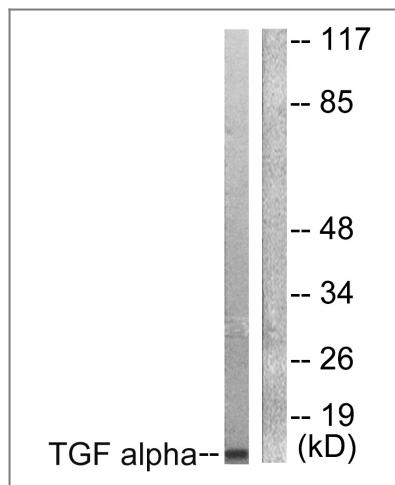
Validation Data



Western Blot analysis of various cells using TGFα 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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