



TGF α Polyclonal Antibody

Catalog No	BYab-15966
Isotype	IgG
Reactivity	Human;Mouse;Rat;Monkey
Applications	WB;IHC;IF;ELISA
Gene Name	TGFA
Protein Name	Protransforming growth factor alpha
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.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	TGFA; Protransforming growth factor alpha
Observed Band	10kD
Cell Pathway	[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.,

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Background

This gene encodes a growth factor that is a ligand for the epidermal growth factor receptor, which activates a signaling pathway for cell proliferation, differentiation and development. This protein may act as either a transmembrane-bound ligand or a soluble ligand. This gene has been associated with many types of cancers, and it may also be involved in some cases of cleft lip/palate. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011],

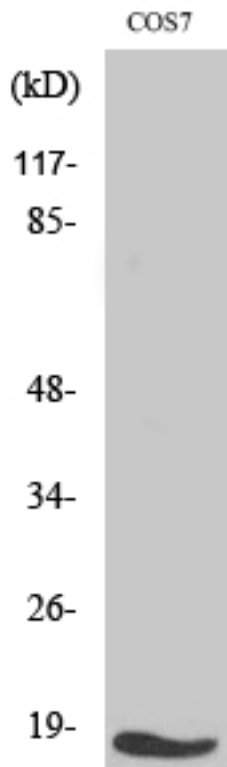
matters needing attention

Avoid repeated freezing and thawing!

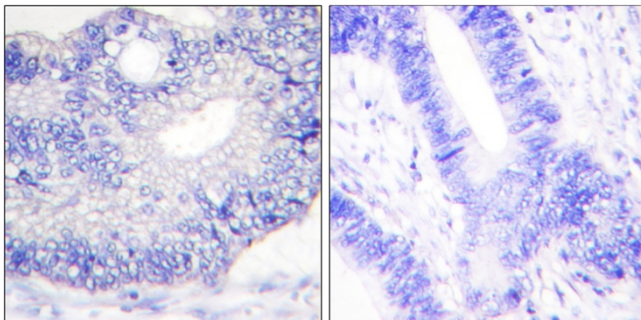
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

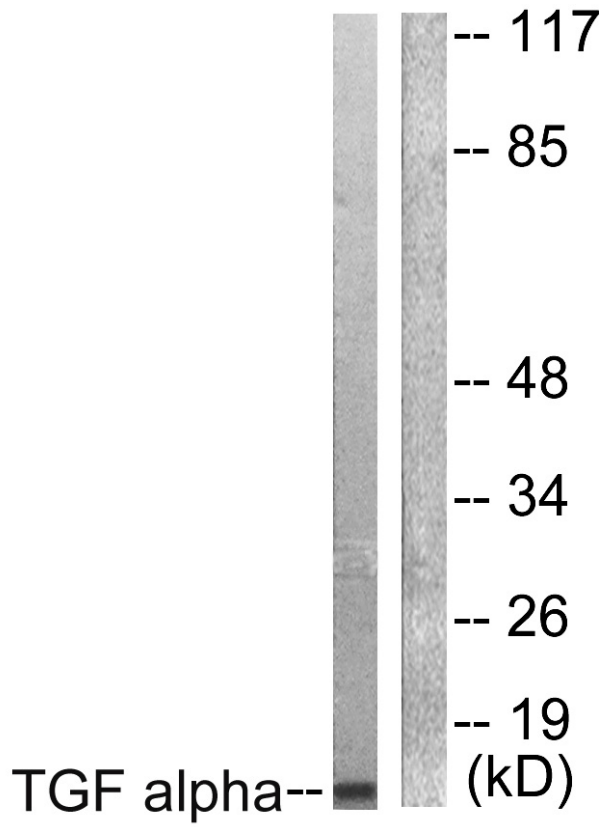


Western Blot analysis of various cells using TGF α Polyclonal Antibody



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

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