

Immunotag™ TGFα Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT5702
Product Description	Immunotag™ TGFα Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TGFα
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from Protransforming growth factor alpha at AA range: Internal
Specificity	TGFα Polyclonal Antibody detects endogenous levels of TGFα protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	TGFA
Accession No.	P01135 P48030 P01134
Alternate Names	TGFA; Protransforming growth factor alpha

Antibody Specification

Description	transforming growth factor alpha(TGFA) Homo sapiens 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],
Cell Pathway/ Category	ErbB_HER,Pathways in cancer,Renal cell carcinoma,Pancreatic cancer,Glioma,Prostate cancer,Non-small cell lung cancer,
Protein Expression	Colon,
Subcellular Localization	Golgi membrane,extracellular space,nucleus,endoplasmic reticulum membrane,plasma membrane,integral component of plasma membrane,cell surface,ER to Golgi transport vesicle membrane,integral component of membrane,basolateral plasma membrane,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.