

Immunotag™ TGFα Polyclonal Antibody

| Antibody Specification |  |
|------------------------|--|
| Catalog No.            | ITT4626  |
| 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,IHC-p,ELISA   |
| Recommended Dilution   | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.   |
| Concentration          | 1 mg/ml  |
| Reactive Species       | Human,Mouse,Rat,Monkey   |
| Host Species           | Rabbit   |
| Immunogen              | Synthesized peptide derived from TGFα, at AA range: 80-160   |
| 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/<br>Category   | ErbB_HER,Pathways in cancer,Renal cell carcinoma,Pancreatic cancer,Glioma,Prostate cancer,Non-small cell lung cancer,   |
| Protein Expression          | Colon,  |
| Subcellular<br>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.  |