TGF α Antibody

Catalog No:E20-75702

Applications:WB,ELISA

Reactivity: Human,Mouse,Rat

Gene Name:TGFA

Protein Name: Protransforming growth factor alpha

Human Gene Id:7039

Human Swiss Prot No:P01135

Mouse Gene Id:21802

Mouse Swiss Prot No:P48030

Rat Gene Id:24827

Rat Swiss Prot No:P01134

Immunogen: The antiserum was produced against synthesized peptide derived from the Internal region of human TGFA. AA range:50-100

Specificity:TGFα Polyclonal Antibody detects endogenous levels of TGFα protein.

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

Source: Rabbit

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration:1 mg/ml

Storage Stability:-20°C/1 year

Other Names:TGFA; Protransforming growth factor alpha

Molecular Weight (Da):17006

Observed Band (KD):15

Background:transforming growth factor alpha(TGFA) Homo sapiens This gene encodes

For Research Use Only

a growth factor that is a ligand for the epidermal growth factor receptor, which activates a signaling pathway for cell proliferation, differentiation and development.

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.

Subcellular   Location: 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.

Expression: Colon.
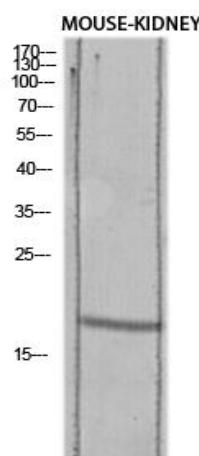
Western blot analysis of MOUSE KIDNEY lysis using TGFA antibody. Antibody was diluted at 1:500. Secondary antibody was diluted at 1:20000.

For Research Use Only