

TGFA Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP22303b

Specification

TGFA Antibody (C-Term) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW WB, FC,E <u>P01135</u> <u>P48030</u>, <u>O06922</u>, <u>P01134</u> Human Mouse, Pig, Rat Rabbit polyclonal Rabbit IgG 17006

TGFA Antibody (C-Term) - Additional Information

Gene ID 7039

Other Names Protransforming growth factor alpha, Transforming growth factor alpha, TGF-alpha, EGF-like TGF, ETGF, TGF type 1, TGFA

Target/Specificity

This TGFA antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 118-150 amino acids from the human region of human TGFA.

Dilution WB~~1:2000 FC~~1:25 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TGFA Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

TGFA Antibody (C-Term) - Protein Information

Name TGFA



Function TGF alpha is a mitogenic polypeptide that is able to bind to the EGF receptor/EGFR and to act synergistically with TGF beta to promote anchorage-independent cell proliferation in soft agar.

Cellular Location

[Transforming growth factor alpha]: Secreted, extracellular space

Tissue Location

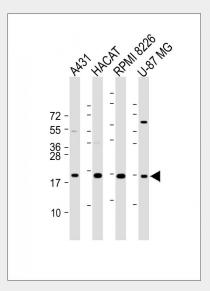
Isoform 1, isoform 3 and isoform 4 are expressed in keratinocytes and tumor-derived cell lines

TGFA Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

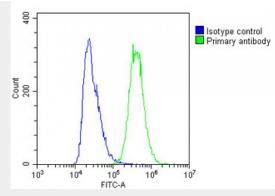
- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

TGFA Antibody (C-Term) - Images



All lanes : Anti-TGFA Antibody (C-Term) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: HACAT whole cell lysate Lane 3: RPMI 8226 whole cell lysate Lane 4: U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.





Overlay histogram showing A431 cells stained with AP22303b(green line). The cells were fixed with 2% paraformaldehyde and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at Room temperature. Isotype control antibody (blue line) was rabbit IgG1 (1 μ g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

TGFA Antibody (C-Term) - Background

TGF alpha is a mitogenic polypeptide that is able to bind to the EGF receptor/EGFR and to act synergistically with TGF beta to promote anchorage-independent cell proliferation in soft agar.

TGFA Antibody (C-Term) - References

Derynck R.,et al.Cell 38:287-297(1984). Jakowlew S.B.,et al.Mol. Endocrinol. 2:1056-1063(1988). Qian J.F.,et al.Gene 132:291-296(1993). Qian J.F.,et al.Am. J. Hum. Genet. 53:168-175(1993). Machida J.,et al.Genomics 61:237-242(1999).