

TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone TGFA/1119] Catalog # AH12403

Specification

TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - Product Information

,14,3,4,

7039, 170009

Monoclonal

P01135

Human

Mouse

Application
Primary Accession
Other Accession
Reactivity
Host
Clonality

Isotype Mouse / IgG1, kappa

Calculated MW ~6kDa KDa

TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - 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

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - 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

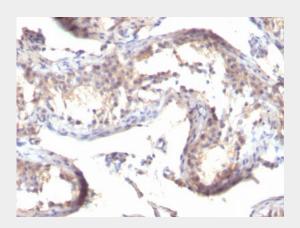


TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - Protocols

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

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

TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - Images



Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with TGF alpha Monoclonal Antibody (TGFA/1119)

TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - Background

This antibody reacts with the C-terminus of TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. $TGF\overline{l}$ (aa50) is a growth factor with 33% homology to EGF, binds to EGFR, activates tyrosine phosphorylation of the receptor, and stimulates cell proliferation. It plays a role in tumor initiation by inducing the reversible transformed phenotype.

TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - References

Bebok Z; Markus B; Nemeth P. Prognostic relevance of transforming growth factor alpha (TGF-alpha) and tumor necrosis factor alpha (TNF-alpha) detected in breast cancer tissues by immunohistochemistry. Breast Cancer Research and Treatment, 1994, 29(3):229-35