

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**

Application	IHC-P, IF, FC
Primary Accession	P01135
Other Accession	7039 , 170009
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
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

Application Note

IHC-P~N/A
IF~1:50~200
FC~1:10~50

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

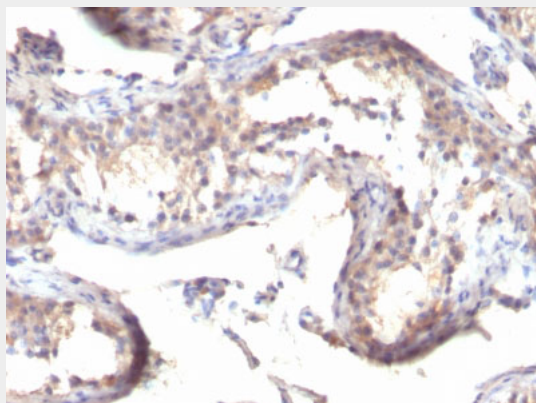
Tissue Location

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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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 α (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