

**TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone SPM542 ]**  
**Catalog # AH10763**

**Specification**

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

Application	,14,3,4,
Primary Accession	<a href="#">P01135</a>
Other Accession	<a href="#">7039</a> , <a href="#">170009</a>
Reactivity	Human, Rabbit, Zebrafish
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgM, 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

**Format**

200ug/ml of Ab purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**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

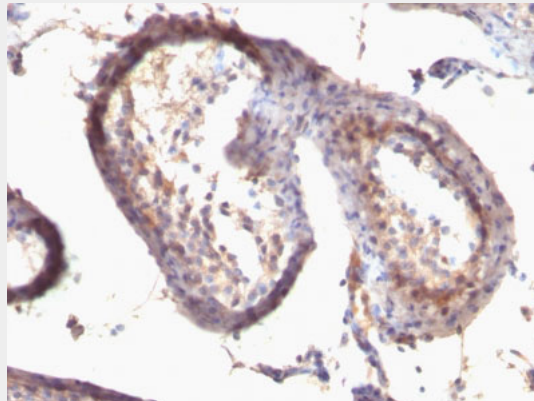
Isoform 1, isoform 3 and isoform 4 are expressed in keratinocytes and tumor-derived cell lines

### 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 (SPM542)

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

This antibody reacts with the TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. The staining with this MAb is completely blocked by the peptide used for raising this antibody. TGF $\alpha$  (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; Szekeres G; Horvath G; Duda E; Nemeth P. [Creation of monoclonal antibodies against tumor necrosis factor-alpha (TNF-alpha) and transforming growth factor alpha (TFG-alpha), their definition and possible use]. *Orvosi Hetilap*, 1993, 134(24):1303-7. Language: Hungarian. | 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. | Nasim, M. M., Thomas, D. M., Alison, M. R., and Filipe, M. I. Transforming growth factor alpha expression in normal gastric mucosa, intestinal metaplasia, dysplasia and gastric carcinoma - an immunohistochemical

study, *Histopathology*. 20: 339-343, 1992