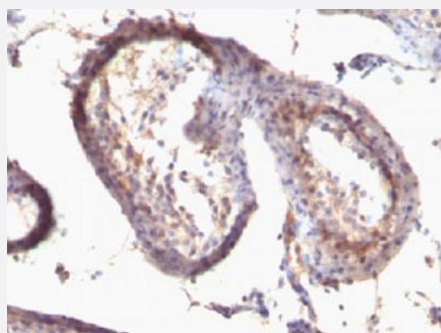


TGFA monoclonal antibody, clone SPM542

Catalog # MAB15178 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human testicular carcinoma.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human TGFA.
Immunogen	A synthetic peptide corresponding to amino acids 33-43 of human TGFA.
Sequence	PPVAAAVVSH
Host	Mouse
Theoretical MW (kDa)	~6
Reactivity	Human
Form	Liquid
Isotype	IgM, kappa
Recommend Usage	Flow Cytometry (1-2 ug/million cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL for 30 min at R T) (Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA , pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes) The optimal working dilution should be determined by the end user.

Storage Buffer	In 10 mM PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human testicular carcinoma.
- Immunofluorescence
- Flow Cytometry

Gene Info — TGFA

Entrez GeneID	7039
Protein Accession#	P01135
Gene Name	TGFA
Gene Alias	TFGA
Gene Description	transforming growth factor, alpha
Omim ID	190170
Gene Ontology	Hyperlink
Gene Summary	Transforming growth factors (TGFs) are biologically active polypeptides that reversibly confer the transformed phenotype on cultured cells. TGF-alpha shows about 40% sequence homology with epidermal growth factor (EGF; MIM 131530) and competes with EGF for binding to the EGF receptor (MIM 131550), stimulating its phosphorylation and producing a mitogenic response.[supplied by OMIM]
Other Designations	transforming growth factor-alpha

Publication Reference

- [Prognostic relevance of transforming growth factor alpha \(TGF-alpha\) and tumor necrosis factor alpha \(TNF-alpha\) detected in breast cancer tissues by immunohistochemistry.](#)

Z Bebok, B Markus, P Nemeth.

Breast Cancer Research and Treatment 1994 Jan; 29(3):229.

Application: IHC-Fr, IHC-P, Human, Human breast cancer

- [\[Creation of monoclonal antibodies against tumor necrosis factor-alpha \(TNF-alpha\) and transforming growth factor alpha \(TFG-alpha\), their definition and possible use\].](#)

Bebök Z, Szekeres G, Horváth G, Duda E, Németh P.

Orvosi Hetilap 1993 Jun; 134(24):1303.

- [Transforming growth factor alpha expression in normal gastric mucosa, intestinal metaplasia, dysplasia and gastric carcinoma--an immunohistochemical study.](#)

M M Nasim, D M Thomas, M R Alison, M I Filipe.

Histopathology 1992 Apr; 20(4):339.

Application: IHC-P, Human, Human dysplasia, Human gastric carcinoma, Human gastric mucosa, Human intestinal metaplasia

Pathway

- [ErbB signaling pathway](#)
- [Glioma](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Renal cell carcinoma](#)

Disease

- [Adenocarcinoma](#)
- [Anodontia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Cleft Lip](#)
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