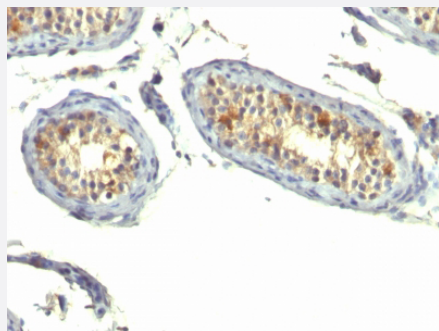


TGFA monoclonal antibody, clone P/T1

Catalog # MAB14614 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human testicular carcinoma with TGFA monoclonal antibody, clone P/T1 (Cat # MAB14614).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human TGFA.
Immunogen	A synthetic peptide corresponding to amino acids 34-43 of human TGFA.
Sequence	PPVAAAVVSH
Host	Mouse
Theoretical MW (kDa)	~6
Reactivity	Human
Specificity	This antibody reacts with the TGFA and shows no cross-reaction with EGF and the neuropeptide syn enkephalin.
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa

Recommend Usage	Flow Cytometry (0.5-1 ug/million cells in 0.1 mL) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
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Storage Buffer	In 10 mM PBS.
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Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.
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Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human testicular carcinoma with TGFA monoclonal antibody, clone P/T1 (Cat # MAB14614).

- Immunofluorescence

- Flow Cytometry

Gene Info — TGFA

Entrez GeneID	7039
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Protein Accession#	P01135
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Gene Name	TGFA
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Gene Alias	TFGA
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Gene Description	transforming growth factor, alpha
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Omim ID	190170
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Gene Ontology	Hyperlink
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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]
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Other Designations	transforming growth factor-alpha
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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

- [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](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Drug Toxicity](#)
- [Edema](#)
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- [Uniparental Disomy](#)