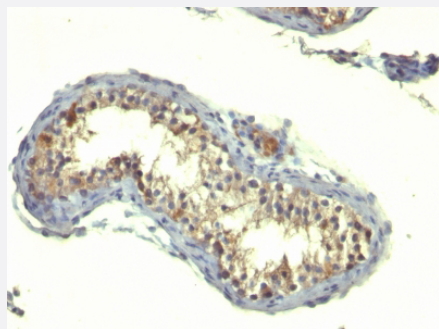


TGFA monoclonal antibody, clone TG86

Catalog # MAB14447 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 TG86 (Cat # MAB14447).

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.
Storage Buffer	In 10 mM PBS (0.05% BSA and 0.05% 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 with TGFA monoclonal antibody, clone TG86 (Cat # MAB14447).

- 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

- [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](#)
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