

Mouse TGF-alpha Monoclonal Antibody | anti-TGFA antibody

TGF-alpha

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62628	Mouse	Human, Rabbit, Zebrafish (Others not known)	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

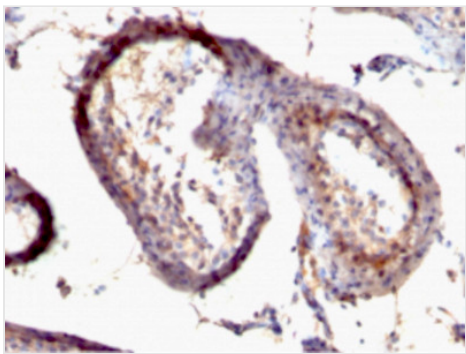
PRODUCT SYNONYMS

TGF-alpha; Monoclonal Antibody; EGF-like TGF; ETGF; TFGA; TGF Type 1; TGFA; Wa1; Waved 1; anti-TGFA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rabbit, Zebrafish (Others not known)
Clonality	Monoclonal
Isotype	IgM, kappa
Clone Number	SPM542
Specificity	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. TGFalpha (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.
Form/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.
Sequence Length	159
Applicable Applications for anti-TGFA antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell membrane, Extracellular space, Secreted
Positive Control	Breast Cancer, Heart, Jurkat or Ramos cells, Kidney, Melanoma., Pituitary
Human Chromosomal Location	2p13.3
Immunogen	A 10-amino acid synthetic peptide (aa34-43) from human TGFalpha.
Research Areas	Cardiovascular, AKT Signaling, Angiogenesis, Infectious Disease, Signal Transduction, Transcription Factors
Preparation and Storage	Antibody with out azide , store at 20°C to 80°C. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with TGF alpha
Monoclonal Antibody (SPM542)

ADDITIONAL INFORMATION

Product Categories/Family for anti-TGFA antibody	GF- Growth Factors; CA- Cancer
References	1. 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 (TGF-alpha), their definition and possible use]. Orvosi Hetilap, 1993, 134(24):1303-7. Language: Hungarian. 2. 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. 3. Nasim, M. M., Thomas, D. M., Alison, M. R., and Filipe, M. I. Transforming growth factor a expression in normal gastric mucosa, intestinal metaplasia, dysplasia and gastric carcinoma - an immunohistochemical study, Histopathology. 20: 339-343, 1992.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153791414
NCBI GeneID	7039
NCBI Accession #	NP_001093161.1
NCBI GenBank Nucleotide #	NM_001099691.2
UniProt Accession #	P01135; P48030
Molecular Weight	~6kDa
NCBI Official Full Name	protransforming growth factor alpha isoform 2 preproprotein
NCBI Official Synonym Full Names	transforming growth factor, alpha
NCBI Official Symbol	TGFA
NCBI Official Synonym Symbols	TFGA
NCBI Protein Information	protransforming growth factor alpha; TGF-alpha
UniProt Protein Name	Protransforming growth factor alpha
UniProt Gene Name	Tgfa
UniProt Synonym Gene Names	TGF-alpha; ETGF
UniProt Entry Name	TGFA_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tgf-alpha-antibody-clone-spm542-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62628>