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

Mouse Monoclonal Antibody [Clone SPM542]
Catalog # AH10763

Product Information

Application	IF, FC, IHC-P
Primary Accession	P01135
Other Accession	7039, 170009
Reactivity	Human, Rabbit, Zebrafish
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgM, kappa
Clone Names	SPM542
Calculated MW	17006

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
Application Note	IF~~1:50~200 FC~~1:10~50 IHC-P~~N/A
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.

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 Isoform 1, isoform 3 and isoform 4 are expressed in keratinocytes and

Tissue Location	tumor-derived cell lines

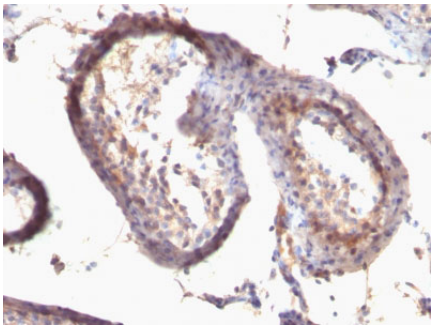
Background

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 □ □(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.

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 Fil]ipe, 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

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.