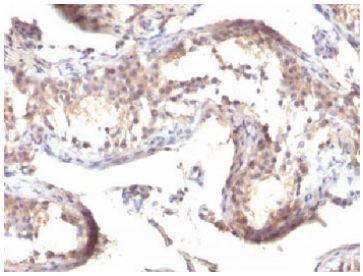
TGFa Antibody [clone TGFA/1119] (V2888)

Catalog No.	Formulation	Size
V2888-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2888-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2888SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2888IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	TGFA/1119
Purity	Protein G affinity chromatography
UniProt	P01135
Localization	Cytoplasmic and extracellular (secreted)
Applications	Immunohistochemistry (FFPE) : 2-4ug/ml for 30 min at RT
Limitations	This TGFa antibody is available for research use only.



IHC testing of formalin-fixed, paraffin-embedded human testicular carcinoma stained with TGFa antibody (clone TGFA/1119).

Description

This antibody reacts with the C-terminus of TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. TGFa 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.

Application Notes

Optimal dilution of the TGFa antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant human full-length TGF protein was used as the immunogen for the TGFa antibody.

Storage

Store the TGFa antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).