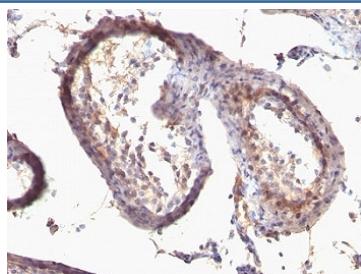


## Anti-TGF-alpha Antibody [clone SPM542] (V9086)

| Catalog No.    | Formulation  | Size   |
|----------------|--|--------|
| V9086-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V9086-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug  |
| V9086SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                             | 100 ug |

### Bulk quote request

|                    |  |
|--------------------|--|
| Availability       | 1-3 business days  |
| Species Reactivity | Human  |
| Format             | Purified   |
| Host               | Mouse  |
| Clonality          | Monoclonal (mouse origin)  |
| Isotype            | Mouse IgM, kappa   |
| Clone Name         | SPM542   |
| Purity             | Precipitated followed by dialysis in 1X PBS                      |
| UniProt            | P01135   |
| Localization       | Cytoplasmic and Extracellular (secreted)                         |
| Applications       | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT          |
| Limitations        | This anti-TGF-alpha antibody is available for research use only. |



IHC: Formalin-fixed, paraffin-embedded human testicular carcinoma stained with anti-TGF alpha antibody (clone SPM542).

### Description

This antibody reacts with the TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. TGF $\alpha$  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

The optimal dilution of the anti-TGF-alpha antibody for each application 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 minutes.

## Immunogen

Amino acids 34-43 (PPVAAAVVSH) from the human protein were used as the immunogen for this anti-TGF alpha antibody.

## Storage

Store the anti-TGF-alpha antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).