# Product Datasheet

## TGF-alpha Antibody (TG86) - Azide and BSA Free
## NBP2-34722-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.



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www.novusbio.com/NBP2-34722

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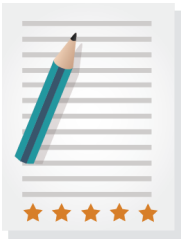


# NBP2-34722-0.1mg

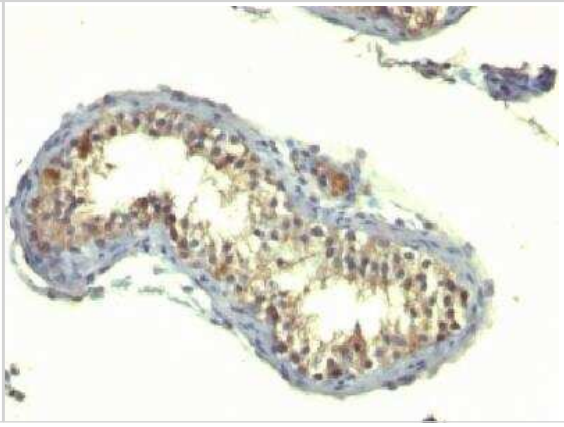
TGF-alpha Antibody (TG86) - Azide and BSA Free

| Product Information | |
|---|---|
| **Unit Size** | 0.1 mg |
| **Concentration** | 1.0 mg/ml |
| **Storage** | Store at -20 to -80C. Avoid freeze-thaw cycles. |
| **Clonality** | Monoclonal |
| **Clone** | TG86 |
| **Preservative** | No Preservative |
| **Isotype** | IgG1 Kappa |
| **Purity** | Protein A or G purified |
| **Buffer** | 10 mM PBS |
| **Target Molecular Weight** | 6 kDa |

| Product Description | |
|---|---|
| **Description** | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34298).<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. |
| **Host** | Mouse |
| **Gene ID** | 7039 |
| **Gene Symbol** | TGFA |
| **Species** | Human, Rabbit, Zebrafish |
| **Specificity/Sensitivity** | This antibody reacts with the TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. The staining with this monoclonal antibody 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. |
| **Immunogen** | A 10-amino acid synthetic peptide (aa34-43; PPVAAAVVSH) from human TGF-alpha (Uniprot: P01135) |

| Product Application Details | |
|---|---|
| **Applications** | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |
| **Recommended Dilutions** | Flow Cytometry 0.5-1ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2ug/ml, Immunohistochemistry-Paraffin 1-2ug/ml, CyTOF-ready |
| **Application Notes** | Immunohistochemistry (Formalin-fixed): 2-4ug/ml for 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. |

## Images

| | |
|---|---|
| Immunohistochemistry-Paraffin: TGF-alpha Antibody (TG86) - Azide and BSA Free [NBP2-34722] - Formalin-fixed, paraffin-embedded human testicular carcinoma stained with TGF alpha monoclonal antibody (TG86). |  |

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## Products Related to NBP2-34722-0.1mg

| | |
|---|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) |
| NBP2-36432-100ug | Human TGF-alpha Recombinant Protein |

**Limitations**
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

**For more information on our 100% guarantee, please visit www.novusbio.com/guarantee**

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