

Product Datasheet

TGF-alpha Antibody (MF9) - Azide and BSA Free NBP2-34683-0.1mg

Unit Size: 0.1 mg

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

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NBP2-34683-0.1mg

TGF-alpha Antibody (MF9) - 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 | MF9 |
| Preservative | No Preservative |
| Isotype | IgG1 Kappa |
| Purity | Protein A or G purified |
| Buffer | 10 mM PBS |
| Target Molecular Weight | 6 kDa |

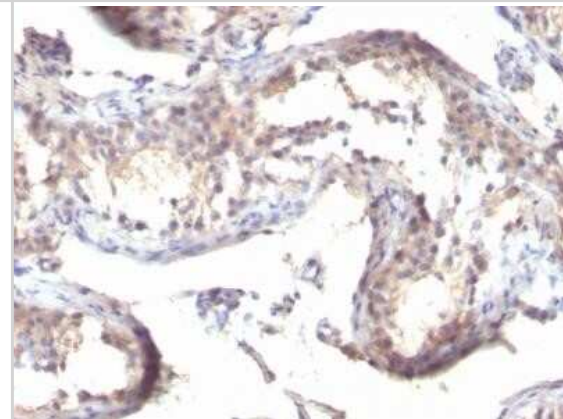
| Product Description | |
|-------------------------|--|
| Description | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34296). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. |
| Host | Mouse |
| Gene ID | 7039 |
| Gene Symbol | TGFA |
| Species | Human, Mouse, Rat, Bovine |
| Specificity/Sensitivity | This antibody reacts with the C-terminus of TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. The staining with Ab-1 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 17-amino acid synthetic peptide from the carboxyl-terminus of rat TGF-alpha (exact sequence is proprietary) (Uniprot: P01135) |

| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |
| Recommended Dilutions | Western Blot 0.5-1.0ug/ml, ELISA 1-5ug/ml for coating, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2ug/ml, Immunohistochemistry-Paraffin, CyTOF-ready |
| Application Notes | ELISA: Use Ab at 2-4ug/ml for coating. Order Ab without BSA. 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 (MF9) - Azide and BSA Free [NBP2-34683] - Formalin-fixed, paraffin-embedded human Testicular Carcinoma Stained with TGF alpha Monoclonal Antibody (MF9).



Publications

Hiroto Kobayashi, Akira Naito, Kyutaro Kawagishi, Luisa Dalla Valle Transforming Growth Factor α Evokes Aromatase Expression in Gastric Parietal Cells during Rat Postnatal Development International Journal of Molecular Sciences 2024-02-09 [PMID: 38396796]



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Products Related to NBP2-34683-0.1mg

| | |
|------------------|---|
| 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.

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