antibodies.com

Datasheet for ABIN6940719 anti-TGFA antibody (AA 34-43)

Image



Overview

| Quantity: | 100 µg |
|----------------------|---|
| Target: | TGFA |
| Binding Specificity: | AA 34-43 |
| Reactivity: | Human, Rabbit, Zebrafish (Danio rerio) |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This TGFA antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Staining Methods (StM) |

Product Details

| Immunogen: | A 10-amino acid synthetic peptide (aa34-43; PPVAAAVVSH) from human TGFa. |
|---------------|---|
| Clone: | TG86 |
| Isotype: | lgG1 kappa |
| Specificity: | 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. |
| Purification: | Purified by Protein A/G |

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Target Details

| Target: | TGFA |
|-------------------|--|
| Alternative Name: | TGFA (TGFA Products) |
| Molecular Weight: | ~6kDa |
| Gene ID: | 7039 |
| UniProt: | P01135 |
| Pathways: | NF-kappaB Signaling, RTK Signaling, EGFR Signaling Pathway |

Application Details

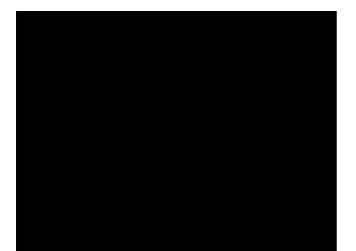
| Application Notes: | Positive Control: Jurkat or Ramos cells. Testicular Carcinoma. |
|--------------------|--|
| | Known Application: Flow Cytometry (0.5-1 μg/million cells), Immunofluorescence (1-2 μg/mL), |
| | Immunohistochemistry (Formalin-fixed) (2-4 μ g/mL for 30 min at RT)(Staining of formalin-fixed |
| | tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed |
| | by cooling at RT for 20 minutes)Optimal dilution for a specific application should be |
| | determined. |
| | |

Restrictions:

For Research Use only

Handling

| Concentration: | 200 µg/mL |
|--------------------|---|
| Buffer: | 10 mM PBS with 0.05 % BSA & 0.05 % azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-80 °C |
| Storage Comment: | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required. |
| Expiry Date: | 24 months |



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Testicular Carcino stained with TGF alpha Monoclonal Antibody (TG86)

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