

Datasheet for ABIN6940715
anti-TGFA antibody (C-Term)

2 Images

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Overview

Quantity:	100 µg
Target:	TGFA
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TGFA antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA, Staining Methods (StM), Coating (Coat)

Product Details

Immunogen:	A 17-amino acid synthetic peptide from the carboxyl-terminus of rat TGFα (exact sequence is proprietary)
Clone:	MF9
Isotype:	IgG1 kappa
Specificity:	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.
Purification:	Purified by Protein A/G

Target Details

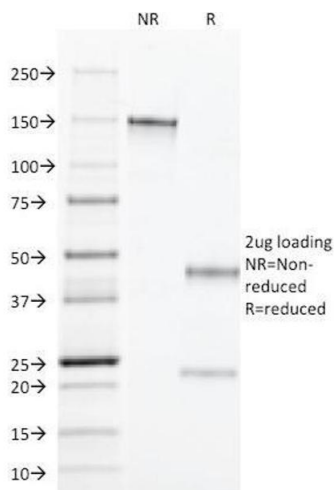
Target:	TGFA
Alternative Name:	TGFA (TGFA Products)
Molecular Weight:	~6kDa
Gene ID:	7039
UniProt:	P01135
Pathways:	NF-kappaB Signaling , RTK Signaling , EGFR Signaling Pathway

Application Details

Application Notes:	Positive Control: Jurkat or Ramos cells. Testicular Carcinoma. Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (2-4 µg/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

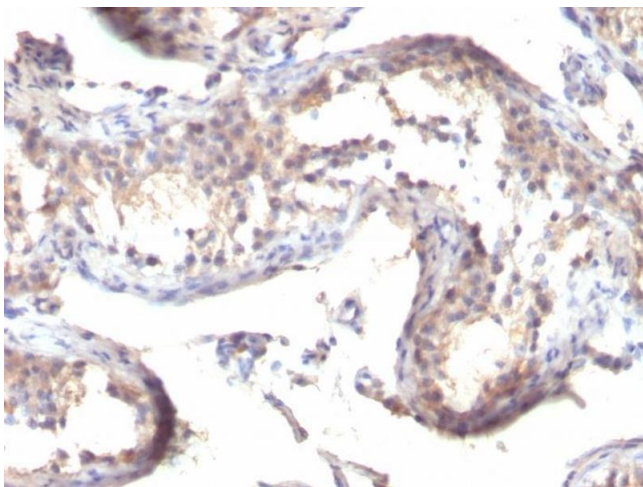
Handling

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



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified TGF alpha Mouse Monoclonal Antibody (MF9). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with TGF alpha Mouse Monoclonal Antibody (MF9)