

Datasheet for ABIN932231
anti-TGFB1 antibody



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1 Image

Overview

Quantity:	100 µL
Target:	TGFB1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TGFB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	TGF beta 1 antibody was raised in Mouse using a purified recombinant fragment of TGFbeta1 expressed in E. coli as the immunogen.
Clone:	4F9C10-1B11B7
Isotype:	IgG2a

Target Details

Target:	TGFB1
Alternative Name:	TGF beta 1 (TGFB1 Products)
Background:	TGF beta is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. In mammals, three isoforms of TGFbeta, that is, beta1, beta2, and beta3 are known. TGF beta is one of numerous inhibitory factors produced by cancer cells that regulate antitumor immunity. TGF beta1 takes part in the local response in the course of

Target Details

primary lung cancer and TGFbeta1 is thought to be implicated in breast cancer progression. TGFbeta1 also plays a critical role in the downregulation of microglial responses minimizing brain inflammation and thus avoiding exacerbation of brain damage. Synonyms: Monoclonal TGF beta 1 antibody, Anti-TGF beta 1 antibody, Transforming growth factor beta antibody.

Pathways: [EGFR Signaling Pathway](#), [Dopaminergic Neurogenesis](#), [Cellular Response to Molecule of Bacterial Origin](#), [Glycosaminoglycan Metabolic Process](#), [Regulation of Leukocyte Mediated Immunity](#), [Regulation of Muscle Cell Differentiation](#), [Positive Regulation of Immune Effector Process](#), [Cell-Cell Junction Organization](#), [Production of Molecular Mediator of Immune Response](#), [Ribonucleoside Biosynthetic Process](#), [Skeletal Muscle Fiber Development](#), [Regulation of Carbohydrate Metabolic Process](#), [Protein targeting to Nucleus](#), [Autophagy](#), [Cancer Immune Checkpoints](#)

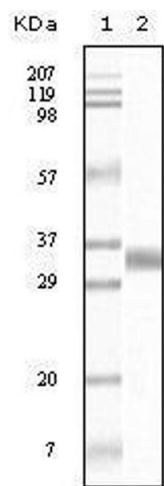
Application Details

Application Notes: ELISA: 1:10,000, WB: 1:500-1:2000
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Supplied as a liquid in ascitic fluid containing 0.03 % sodium 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.
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C for short term storage. Store at -20 °C for long term storage.



Western Blotting

Image 1. Western Blot showing TGF beta1 antibody used against truncated TGF beta1 recombinant protein.