

Datasheet for ABIN2782223
anti-TGFB2 antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µL
Target:	TGFB2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig, Horse, Rabbit, Sheep, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGFB2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TGFB2
Sequence:	NLVKAEFRVF RLQNPKEARVP EQRIELYQIL KSKDLTSPTQ RYIDSKVVKT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against TGFB2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TGFB2
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Target Details

Alternative Name:	TGFB2 (TGFB2 Products)
Background:	<p>This gene encodes a member of the transforming growth factor beta (TGFB) family of cytokines, which are multifunctional peptides that regulate proliferation, differentiation, adhesion, migration, and other functions in many cell types by transducing their signal through combinations of transmembrane type I and type II receptors (TGFB1 and TGFB2) and their downstream effectors, the SMAD proteins. Disruption of the TGFB/SMAD pathway has been implicated in a variety of human cancers. The encoded protein is secreted and has suppressive effects of interleukin-2 dependent T-cell growth. Translocation t(1,7)(q41,p21) between this gene and HDAC9 is associated with Peters' anomaly, a congenital defect of the anterior chamber of the eye. The knockout mice lacking this gene show perinatal mortality and a wide range of developmental, including cardiac, defects. Alternatively spliced transcript variants encoding different isoforms have been identified.</p> <p>Alias Symbols: MGC116892, TGF-beta2</p> <p>Protein Interaction Partner: CEBPA, UBC, VASN, PZP, LTBP3, TGFB3, FMOD, VTN, TGFB3, TGFB2, TGFB2, TGFB1, TGFB1, ENG, CTGF, BMP2, APP, TGFBAP1, DAXX, DCN,</p> <p>Protein Size: 414</p>
Molecular Weight:	46 kDa
Gene ID:	7042
NCBI Accession:	NM_003238 , NP_003229
UniProt:	P61812
Pathways:	Cell-Cell Junction Organization , Production of Molecular Mediator of Immune Response , Protein targeting to Nucleus

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 414 AA
Restrictions:	For Research Use only

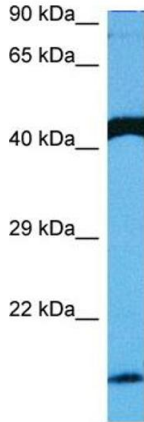
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

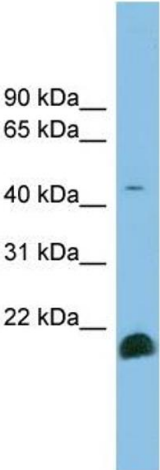
Images



Host: Rabbit
Target Name: Tgfb2
Sample Type: Mouse Small Intestine Lysate
Antibody Dilution: 1.0µg/ml

Western Blotting

Image 1. Host: Rabbit Target Name: TGFB2 Sample Tissue: Mouse Small Intestine Antibody Dilution: 1ug/ml



90 kDa__
65 kDa__
40 kDa__
31 kDa__
22 kDa__

Western Blotting

Image 2. WB Suggested Anti-TGFB2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: NCI-H226 cell lysate There is BioGPS gene expression data showing that TGFB2 is expressed in NCIH226