Datasheet for ABIN2781999

anti-TGFBR2 antibody (N-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	TGFBR2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Pig, Sheep, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGFBR2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TGFBR2
Sequence:	MGRGLLRGLW PLHIVLWTRI ASTIPPHVQK SDVEMEAQKD EIICPSCNRT
Predicted Reactivity:	Cow: 93%, Goat: 93%, Human: 100%, Mouse: 93%, Pig: 93%, Rabbit: 100%, Rat: 93%, Sheep: 91%
Characteristics:	This is a rabbit polyclonal antibody against TGFBR2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	TGFBR2

Target Details

Alternative Name:	TGFBR2 (TGFBR2 Products)
Background:	TGFBR2 is a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. The protein is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with another receptor protein, and binds TGF-beta. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation. Mutations in its gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors.This gene is a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. It encodes a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with another receptor protein and binds TGF-beta. This receptor/ligand complex phosphorylates proteins which then enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation. Mutations in this gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. Alias Symbols: HNPCC6, MFS2, RIIC, Tbeta, AAT3, FAA3, LDS1B, LDS2B, TAAD2, TGFR-2, TGFbeta-RII Protein Interaction Partner: TRAF4, NRP1, NRP2, TGFB1, TERT, PEG10, ENG, GOPC, IQGAP1, UBC, RCVRN, PDGFRA, APP, TGFBR1, MAP3K7, PAK1, OCLN, SMAD7, CDC42, Hsp90aa1, KCNK18, FBXO34, PPP1R16B, OXSR1, ARHGEF6, TRAF6, TSC22D1, SMURF1, OSR1, TCTEX1D4, SNX6, TSSK1B, TGFBRAP1, TRAP1, STRAP, Protein Size: 567
Molecular Weight:	62 kDa
Gene ID:	7048
NCBI Accession:	NM_003242, NP_003233
UniProt:	P37173

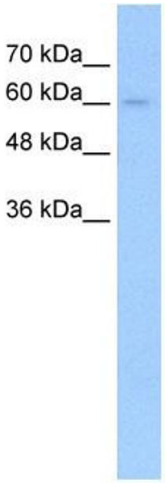
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 567 AA
Restrictions:	For Research Use only

Handling

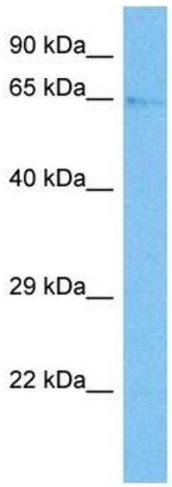
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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



Western Blotting

Image 1. WB Suggested Anti-TGFBR2 Antibody Titration: 5.0ug/ml Positive Control: HepG2 cell lysate TGFBR2 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells



Western Blotting

Image 2. Host: Mouse Target Name: TGFBR2 Sample Tissue: Mouse Spleen Antibody Dilution: 1ug/ml