

Datasheet for ABIN655799

anti-TGFBR2 antibody (N-Term)

7 Images

1 Publication

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Overview

Quantity:	400 µL
Target:	TGFBR2
Binding Specificity:	AA 13-40, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGFBR2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This TGFBR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 13-40 amino acids from the N-terminal region of human TGFBR2.
Clone:	RB31405
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TGFBR2
Alternative Name:	TGFBR2 (TGFBR2 Products)

Target Details

Background: This gene encodes a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. The encoded 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 this gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors. Alternatively spliced transcript variants encoding different isoforms have been characterized.

Molecular Weight: 64568

Gene ID: 7048

NCBI Accession: [NP_001020018](#), [NP_003233](#)

UniProt: [P37173](#)

Application Details

Application Notes: IF: 1:10~50. WB: 1:2000. WB: 1:2000. WB: 1:2000. WB: 1:2000. WB: 1:1000. WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.

Storage: 4 °C,-20 °C

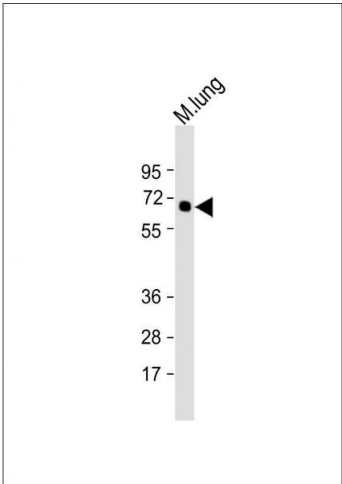
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

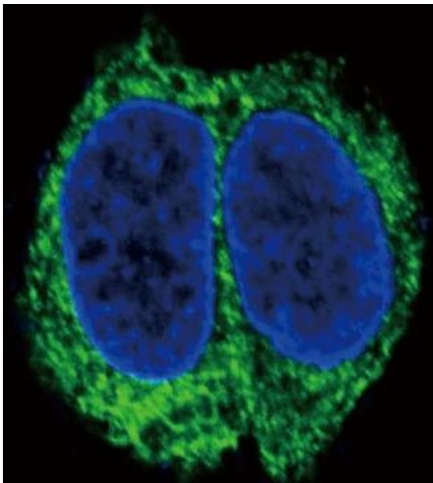
Product cited in: Liang, Li, Zhang, Cui, Quan, Yang: "The anti-fibrotic effects of microRNA-153 by targeting TGFBR-2 in pulmonary fibrosis." in: **Experimental and molecular pathology**, Vol. 99, Issue 2, pp.

Images



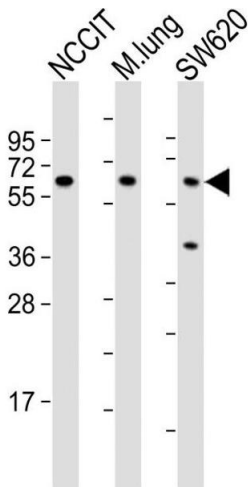
Western Blotting

Image 1. Anti-TGFR2 Antibody (N-term) at 1:2000 dilution + mouse lung lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 67 kDa. Blocking/Dilution buffer: 5 % NFDM/TBST.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of TGFR2 Antibody (N-term) (ABIN655799 and ABIN2845228) with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclei (blue).



Western Blotting

Image 3. All lanes : Anti-TGFR2 Antibody (N-term) at 1:2000 dilution. Lane 1: NCCIT whole cell lysates. Lane 2: mouse lung lysates. Lane 3: S whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 67 kDa. Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN655799.