

Product datasheet for TA335780

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

TGF beta Receptor II (TGFBR2) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human, Mouse

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for Anti-TGFBR2 Antibody: synthetic peptide directed towards the N terminal

of human TGFBR2. Synthetic peptide located within the following region:

MGRGLLRGLWPLHIVLWTRIASTIPPHVQKSDVEMEAQKDEIICPSCNRT

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Protein A purified

Conjugation: Unconjugated

Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 62 kDa

Gene Name: transforming growth factor beta receptor 2

Database Link: NP 003233

Entrez Gene 21813 MouseEntrez Gene 7048 Human

P37173



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

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.

Synonyms: AAT3; FAA3; LDS1B; LDS2; LDS2B; MFS2; RIIC; TAAD2; TGFbeta-RII; TGFR-2

Note: Immunogen Sequence Homology: Human: 100%; Rabbit: 100%; Pig: 93%; Rat: 93%; Goat: 93%;

Mouse: 93%; Bovine: 93%; Sheep: 91%

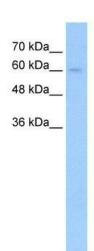
Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: Adherens junction, Chronic myeloid leukemia, Colorectal cancer, Cytokine-cytokine receptor

interaction, Endocytosis, MAPK signaling pathway, Pancreatic cancer, Pathways in cancer,

TGF-beta signaling pathway

Product images:



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