

TGFBeta RII Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08971
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human TGF beta Receptor II. AA range:91-140
Mol wt	64568
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IF, WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	TGFBeta RII Antibody
Synonyms	TGFBR2; TGF-beta receptor type-2; TGFR-2; TGF-beta type II receptor; Transforming growth factor-beta receptor type II; TGF-beta receptor type II; TbetaR-II

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

TGFB2 encodes a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. The TGF-beta receptor type-2 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.

Recommended Dilution

WB: 1: 500 - 1: 2000

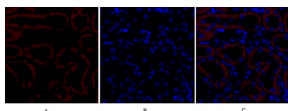
IHC: 1: 100 - 1: 300

ELISA: 1: 20000

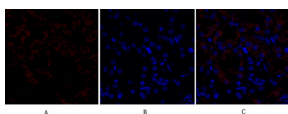
IF: 1: 50 - 200

Not yet tested in other applications.

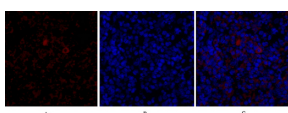
Images



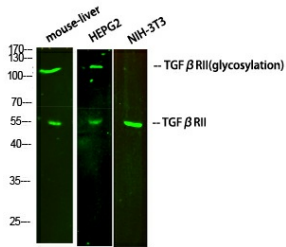
Immunofluorescence analysis of mouse-kidney tissue. 1, TGFβ RII Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



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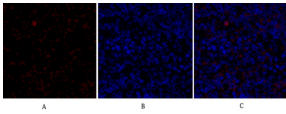


Immunofluorescence analysis of rat-spleen tissue. 1, TGFβ RII Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

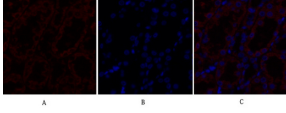


Western Blot analysis of various cells using primary antibody diluted at 1:1000(4°C overnight).

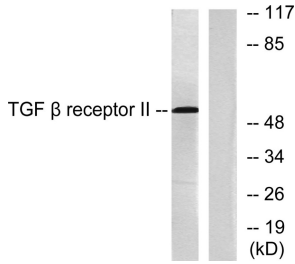
Secondary antibody:Goat Anti-rabbit IgG IRDye 800(diluted at 1:5000, 25°C, 1 hour)



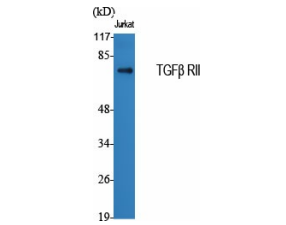
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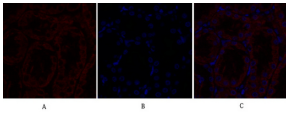
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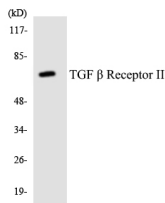
Western blot analysis of lysates from HepG2 (65K) cells, using TGF beta Receptor II Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using TGFβ RII Polyclonal Antibody diluted at 1:2000



Immunofluorescence analysis of rat-kidney tissue. 1,TGFβ RII Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of the lysates from HT-29 cells using TGF β Receptor II antibody.

Storage

-20°C for one year

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