

anti- TGFBR2 antibody

Product Information

Catalog No.:	FNab08644
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Transmembrane serine/threonine kinase forming with the TGF-beta type I serine/threonine kinase receptor, TGFBR1, the non-promiscuous receptor for the TGF-beta cytokines TGFB1, TGFB2 and TGFB3. Transduces the TGFB1, TGFB2 and TGFB3 signal from the cell surface to the cytoplasm and is thus regulating a plethora of physiological and pathological processes including cell cycle arrest in epithelial and hematopoietic cells, control of mesenchymal cell proliferation and differentiation, wound healing, extracellular matrix production, immunosuppression and carcinogenesis. The formation of the receptor complex composed of 2 TGFBR1 and 2 TGFBR2 molecules symmetrically bound to the cytokine dimer results in the phosphorylation and the activation of TGFBR1 by the constitutively active TGFBR2. Activated TGFBR1 phosphorylates SMAD2 which dissociates from the receptor and interacts with SMAD4. The SMAD2-SMAD4 complex is subsequently translocated to the nucleus where it modulates the transcription of the TGF-beta-regulated genes. This constitutes the canonical SMAD-dependent TGF-beta signaling cascade. Also involved in non-canonical, SMAD-independent TGF-beta signaling pathways.

Immunogen information

Immunogen:	transforming growth factor, beta receptor II(70/80kDa)
Synonyms:	AAT3, FAA3, LDS1B, LDS2B, MFS2, RIIC, TAAD2, TbetaR II, TGF beta receptor type 2, TGF beta receptor type II, TGF beta type II receptor, TGFbeta RII, TGFBR2, TGFR 2

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Observed MW: 70 kDa

Uniprot ID : P37173

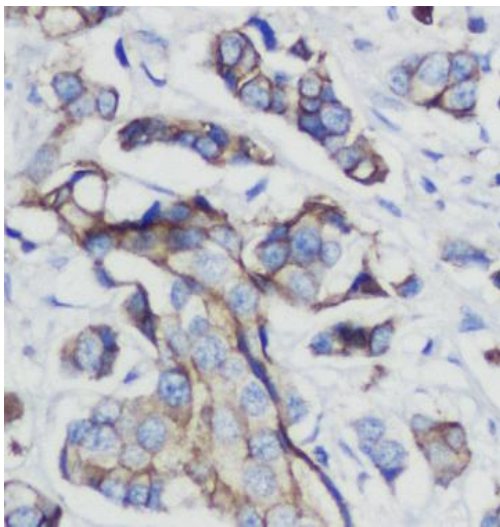
Application

Reactivity: Human, Mouse, Rat

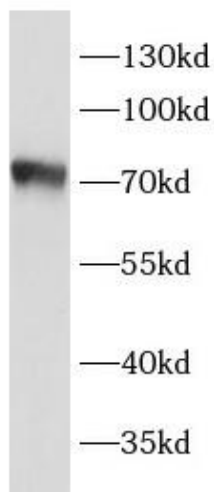
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:200-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using FNab08644(TGFBR2 Antibody) at dilution of 1:50



HepG2 cells were subjected to SDS PAGE followed by western blot with FNab08644(TGFBR2 antibody) at dilution of 1:1000

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