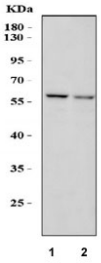
SMAD5 Antibody (RQ5953)

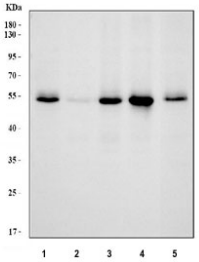
Catalog No.	Formulation	Size
RQ5953	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q99717
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml
Limitations	This SMAD5 antibody is available for research use only.



Western blot testing of 1) rat liver and 2) mouse liver lysate with SMAD5 antibody. Expected molecular weight: 52~60 kDa.



Western blot testing of 1) human HeLa, 2) human HepG2, 3) human 293T, 4) monkey COS-7 and 5) human Caco-2 cell lysate with SMAD5 antibody. Expected molecular weight: 52~60 kDa.

Description

Mothers against decapentaplegic homolog 5 also known as SMAD5 is a protein that in humans is encoded by the SMAD5 gene. It is mapped to 5q31.1. The protein encoded by this gene is involved in the transforming growth factor beta signaling pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. The encoded protein is activated by bone morphogenetic proteins type 1 receptor kinase, and may be involved in cancer. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the SMAD5 antibody should be determined by the researcher.

Immunogen

Amino acids QNATFPDSFHQPNNTPFPLSPN from the human protein were used as the immunogen for the SMAD5 antibody.

Storage

After reconstitution, the SMAD5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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