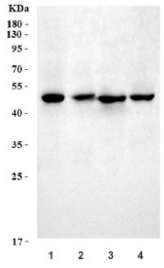
MADH7 Antibody / SMAD7 (RQ7203)

Catalog No.	Formulation	Size
RQ7203	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
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O15105
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This MADH7 antibody is available for research use only.



Western blot testing of 1) rat liver, 2) rat kidney, 3) mouse liver and 4) mouse lung tissue lysate with MADH7 antibody. Expected molecular weight: 45-55 kDa.

Description

Mothers against decapentaplegic homolog 7 or SMAD7 is a protein that in humans is encoded by the SMAD7 gene. The protein encoded by this gene is a nuclear protein that binds the E3 ubiquitin ligase SMURF2. Upon binding, this complex translocates to the cytoplasm, where it interacts with TGF-beta receptor type-1 (TGFBR1), leading to the degradation of both the encoded protein and TGFBR1. Expression of this gene is induced by TGFBR1. Variations in this gene are a cause of susceptibility to colorectal cancer type 3 (CRCS3). Several transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the MADH7 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids A88-R135) was used as the immunogen for the MADH7 antibody.

Storage

After reconstitution, the MADH7 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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