



Rabbit Anti-Smad2 monoclonal antibody, clone TQ17-16 (DCABH-7853)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Smad2
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Rat
Clone	TQ17-16
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC, IHC, IP, FC
Molecular Weight	58 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	NIH/3T3, A431, HeLa, HepG2, PC12, rat cerebellum tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

Smad proteins, the mammalian homologs of the *Drosophila* mothers against decapentaplegic (Mad), have been implicated as downstream effectors of TGFβ/BMP signaling. Smad1 (also designated Madr1 or JV4-1) and Smad5 are effectors of BMP-2 and BMP-4 function, while Smad2 (also designated Madr2 or JV18-1) and Smad3 are involved in TGFβ and Activin-mediated growth modulation. Smad4 (also designated DPC4) has been shown to mediate all of the above activities through interaction with various Smad family members. Smad6 and Smad7 regulate the response to Activin/TGFβ signaling by interfering with TGFβ-mediated phosphorylation of other Smad proteins.

Keywords

Drosophila, homolog of, MADR2;hMAD-2;HsMAD2;JV18;JV18-1;JV181;MAD;MAD homolog 2;MAD Related Protein 2;Mad-related protein 2;MADH2;MADR2;MGC22139;MGC34440;Mother against DPP homolog 2;Mothers against decapentaplegic homolog 2;Mothers against decapentaplegic, *Drosophila*, homolog of, 2;Mothers against DPP homolog 2;OTTHUMP00000163489;Sma and Mad related protein 2;Sma- and Mad-related protein 2 MAD;SMAD 2;SMAD family member 2;SMAD, mothers against DPP homolog 2;SMAD2;SMAD2_HUMAN antibody
