



# Rabbit Anti-Smad4 monoclonal antibody, clone TQ06-16 (DCABH-8815)

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

## PRODUCT INFORMATION

<b>Target</b>	Smad4
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	TQ06-16
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IHC, FC
<b>Molecular Weight</b>	60 kDa
<b>Cellular Localization</b>	Cytoplasm, Nucleus.
<b>Positive Control</b>	SH-SY-5Y, MCF-7, Hela, PC-12, mouse brain tissue, human lung cancer tissue, human breast carcinoma tissue, mouse colon tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## BACKGROUND

<b>Introduction</b>	<p>Smad proteins, the mammalian homologs of the Drosophila Mothers against dpp (Mad) have been implicated as downstream effectors of TGFβ/BMP signaling. Smad1 (also designated Madr1 or JV4-1), Smad5 and mammalian Smad8 (also designated Smad9 or MADH6) are effectors of BMP2 and BMP4 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 family members.</p>
<b>Keywords</b>	<p>(Small) Mothers Against Decapentaplegic;Deleted in Pancreatic Carcinoma 4;Deleted in Pancreatic Carcinoma;Deleted in pancreatic carcinoma locus 4;Deletion target in pancreatic carcinoma 4;DPC 4;DPC4;hSMAD4;JIP;MAD homolog 4;MAD mothers against decapentaplegic Drosophila homolog 4;MAD mothers against decapentaplegic homolog 4;MADH 4;MADH4;Med;Medea;Mothers against decapentaplegic homolog 4;Mothers against decapentaplegic, Drosophila, homolog of, 4;Mothers against DPP homolog 4;MYHRS;OTTHUMP00000163548;SMA- and MAD-related protein 4;SMAD 4;SMAD family member 4;SMAD mothers against DPP homolog 4;SMAD4;SMAD4_HUMAN antibody</p>