



Rabbit Anti-SMAD5 monoclonal antibody, clone TZ10-14 (CABT-L614)

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

PRODUCT INFORMATION

Target	Phospho-Smad5(S463/465)
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TZ10-14
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC, IHC
Molecular Weight	58 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	SKOV-3, HepG2, Human liver tissue, mouse liver tissue, mouse brain tissue, human tonsil tissue, human breast carcinoma 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 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.
Keywords	DKFZp781C1895;DKFZp781O1323;Dwfc;hSmad5;JV5 1;JV5-1;MAD homolog 5;MAD, mothers against decapentaplegic homolog 5;MADH 5;MADH5;Mothers against decapentaplegic homolog 5;mothers against decapentaplegic, drosophila, homolog of, 5;Mothers against DPP homolog 5;MusMLP;SMA and MAD related protein 5;SMAD 5;SMAD family member 5;SMAD, mothers against DPP homolog 5;Smad5;SMAD5_HUMAN antibody