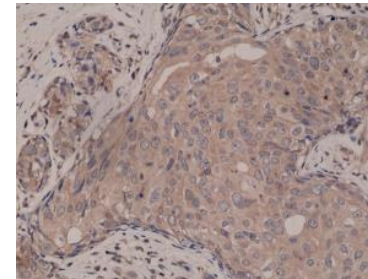


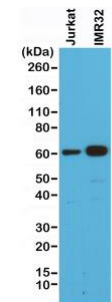
Anti-Smad4 Rabbit Monoclonal Antibody

CATALOG NO:	A1605-50
ALTERNATIVE NAMES:	SMAD family member, Mothers against decapentaplegic homolog, MAD homolog, Mothers against DPP homolog, SMAD4
AMOUNT:	50 µl
CLONE:	RM277
IMMUNOGEN:	A peptide corresponding to the C-terminus of human Smad4
HOST/ISOTYPE:	Rabbit IgG
SPECIES REACTIVITY:	Human
PURIFICATION:	Protein A affinity purified from an animal origin free culture supernatant
FORM:	Liquid
FORMULATION:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
SPECIFICITY:	This antibody reacts to human Smad4
STORAGE CONDITIONS:	For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	Smad proteins, the mammalian homologs of the Drosophila Mothers against dpp (Mad), have been implicated as downstream effectors of TGFβ/BMP signaling. Smad1, Smad5, and Smad8 are effectors of BMP2 and BMP4 function while Smad2 and Smad3 are involved in TGF-β and activin-mediated growth modulation. Smad4 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.
APPLICATION:	WB: 1:500-1:1000 IHC: 1:1000-1:2000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Immunohistochemical staining of formalin fixed and paraffin embedded human breast cancer tissue sections using Anti-Smad4 Rabbit Monoclonal Antibody (Clone RM277) at a 1:2000 dilution.



Western Blot of Jurkat and IMR32 cells lysates using Anti-Smad4 Rabbit Monoclonal Antibody (Clone RM277) at a 1:500 dilution

RELATED PRODUCTS:

- Smad4 Antibody (Cat. No. 3464)
- Smad4 Blocking Peptide (Cat. No. 3464BP)
- Smad5 Antibody (Cat. No. 3465)
- Smad7 Antibody (Cat. No. 3670)
- Smad1 Antibody (Cat. No. 3461)

FOR RESEARCH USE ONLY! Not to be used on humans.