SMAD2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Smad2, Polyclonal Antibody
Full Product Name	Smad2 (Small Mothers Against Decapentaplegic Deleted in Pancreatic Carcinoma) (FITC)
Product Gene Name	anti-Smad2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservatives added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human Smad2 and can be used to detect the predominant splice form of Smad2. Crossreactivity with Smad3 or with other Smad family members has not been observed. Antibody reactivity was confirmed by Western Blot using lysates derived from Smad2-transfected COS cells. Species Sequence Homology: Mouse (24/27aa); Xenopus (26/27aa).
Preparation and Storage	May be stored at 4 degree C for short-term only. For long-term storage and to avoid repeated freezing and thawing, add sterile glycerol (40-50%), aliquot and store at -20 degree C. Aliquots are stable for at least 12 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Immunogen	A 27 amino acid synthetic peptide derived from the MH1 domain of human Smad2.
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-Smad2 antibody	Antibodies; Smad Proteins
Applications Tested/Suitable for anti-Smad2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-Smad2 antibody	WB: 1-3ug/ml ELISA: 0.1-1ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-Smad2 antibody	MBS6499768 is an antibody targeting Smad2. Also known as Smad2 (Small Mothers Against Decapentaplegic Deleted in Pancreatic Carcinoma) (FITC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-Smad2 antibody	1. Casellas, R. & Brivanlou, A.H., Developmental Biology 198(1): 1-12 (1998). 2. Takase, M., et al., Biochemical and Biophysical Research Communications 244(1): 26-29 (1998). 3. Hata, A., et al., Genes and Development 12(2): 186-197 (1998). 4. Imamura, T., et al., Nature 389(6651): 622-626 (1997). 5. Nakao, A., et al., Nature 389(6651): 631-635 (1997). 6. Topper, J.N., et al., PNAS 94(17): 9314-9319 (1997). 7. Riggins, G.J., et al., Cancer Research 57(13): 2578-2580 (1997). 8. Massague, J., Annu. Rev. Biochem. 67: 753-791 (1998). Review. 9. Hata, A., et al., Mol. Med. Today 4: 257-262 (1998). Review. 10. Ulloa, L., et al., Nature 397: 710-713 (1999).
Other Notes	Small volumes of anti-Smad2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Smad2. It may not necessarily be applicable to this product.

Protein Family	Mothers against decapentaplegic
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