

Smad2 Rabbit Polyclonal Antibody(F231)

Catalog TDY434C TDY434F

Tel: 010-82908854

Web: www.tdybio.com

Quantity 50μL 100μL

Entrez-Gene ID#4087 , Swiss-Prot Acc.#Q157976

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB, IHC	H, R, M	60KD	IgG

Storage Buffer & Condition: Antigen Affinity Purified IgG in PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.

Store at **-20°C**. **Do not aliquot the antibody.**

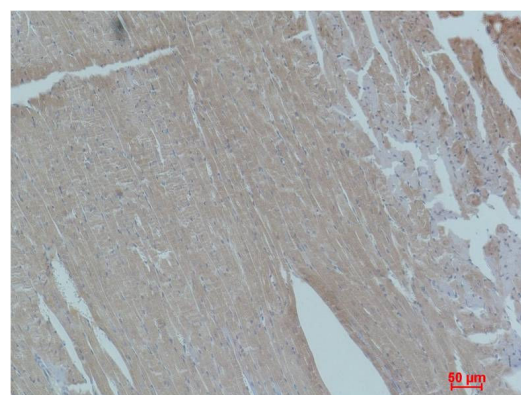
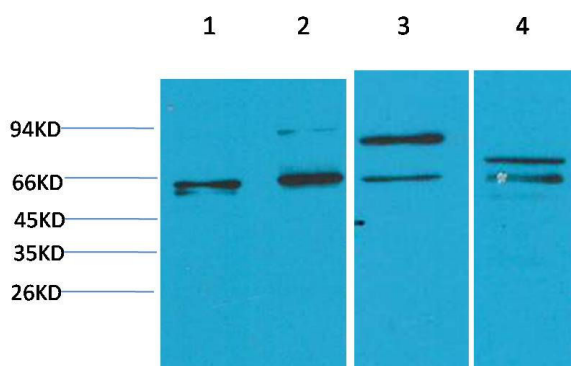
Recommended dilutions: WB: 1:1,000-2,000 IHC: 1:100-200

Optimal dilutions should be determined by the end user.

Specificity: Antibody can detects endogenous Smad2 protein.

Alternative Names: hMAD2 antibody, JV18 antibody, MAD antibody, MADH2 antibody, MGC22139 antibody

Background: SMAD2 is a protein that in humans is encoded by the *SMAD2* gene. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. SMAD2 mediates the signal of the transforming growth factor (TGF)-beta, and thus regulates multiple cellular processes, such as cell proliferation, apoptosis, and differentiation. This protein is recruited to the TGF-beta receptors through its interaction with the SMAD anchor for receptor activation (SARA) protein.



Western blot analysis of 1) HeLa, 2) Jurkat, 3) C2C12, 4) PC12 with Smad2 Rabbit pAb TDY434 diluted at 1:2,000.

Immunohistochemical analysis of paraffin-embedded Mouse Heart Tissue using Smad2 (TDY434) Rabbit pAb diluted at 1:200.