bs-0718R

[Primary Antibody]

Smad2 Rabbit pAb



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Host:	Rabbit	lsotype: ၂န	ςG	Applications:	WB (1:500-2000)
Clonality:	Polyclonal				IHC-F (1:100-500
GenelD:	4087	SWISS: Q	15796		IF (1:100-500)
Target:	Smad2				Flow-Cyt (1µg/T
Immunogen:	Immunogen: KLH conjugated synthetic peptide derived from human Smad2: 21-120/467.			Reactivity: Human, Mouse, I (predicted: Rabb	
Purification: affinity purified by Protein A				Chicken, Dog)	
Concentration:	1mg/ml			Duedistad	
Storage:	Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.			MW.: 52 kDa	
				Subcellular Location:	Cytoplasm ,Nucl
Background:	The protein encod proteins similar to 'mothers against of Sma. SMAD protein modulators that no mediates the sign and thus regulates proliferation, apop recruited to the To SMAD anchor for no TGF-beta signal, the receptors. The phy protein with SARA SMAD4. The association of the target promoters other cofactors. The type 1 receptor kin Alternatively splic this gene. [provide	led by this gene belongs the gene products of the decapentaplegic' (Mad) ns are signal transducer nediate multiple signalin al of the transforming gr s multiple cellular proce- btosis, and differentiation GF-beta receptors throu eceptor activation (SAR nis protein is phosphory posphorylation induces the and the association with iation with SMAD4 is im nis protein into the nucle and forms a transcription his protein can also be pro- nase, and mediates the ed transcript variants has ed by RefSeq, May 2012]	is to the SMAD, a family of the Drosophila gene and the C. elegans gene is and transcriptional ng pathways. This protein rowth factor (TGF)-beta, esses, such as cell on. This protein is gh its interaction with the A) protein. In response to lated by the TGF-beta the dissociation of this th the family member portant for the eus, where it binds to in repressor complex with obosphorylated by activin signal from the activin. ave been observed for		

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– VALIDATION IMAGES



Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug Lane 2: Heart (Mouse) Lysate at 40 ug Lane 3: Testis (Mouse) Lysate at 40 ug Lane 4: Kidney (Mouse) Lysate at 40 ug Lane 5: Placenta (Mouse) Lysate at 40 ug Lane 6: Cerebrum (Rat) Lysate at 40 ug Lane 7: Heart (Rat) Lysate at 40 ug Lane 8: Testis (Rat) Lysate at 40 ug Lane 9: Kidney (Rat) Lysate at 40 ug Lane 10: Hela (Human) Cell Lysate at 30 ug Lane 11: HT1080 (Human) Cell Lysate at 30 ug Lane 12: Jurkat (Human) Cell Lysate at 30 ug Lane 13: Raw264.7 (Mouse) Cell Lysate at 30 ug Lane 14: HL60 (Human) Cell Lysate at 30 ug Primary: Anti-Smad2 (bs-0718R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 60 kD Observed band size: 60 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Smad2) Polyclonal Antibody, Unconjugated (bs-0718R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: rat choroid tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Smad2 Polyclonal Antibody, Unconjugated(bs-0718R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control (Black line): Mouse spleen(Black). Primary Antibody (green line): Rabbit Anti-Smad2 antibody (bs-0718R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then incubated in 5%BSA goat serum to block nonspecific protein-protein interactions for 15 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

- SELECTED CITATIONS -

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- [IF=8.5] Genghua Chen. et al. Bulk and single-cell alternative splicing analyses reveal roles of TRA2B in myogenic differentiation. CELL PROLIFERAT. 2023 Sep;:e13545 WB ;Chicken. 37705195
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- [IF=7.917] Huang Shu. et al. Targeting nano-regulator based on metal-organic frameworks for enhanced immunotherapy of bone metastatic prostate cancer. CANCER NANOTECHNOL. 2023 Dec;14(1):1-15 WB ;Mouse,Human. 10.1186/s12645-023-00200-y