

Product datasheet for **TA324932**

SMAD2 Rabbit Polyclonal Antibody

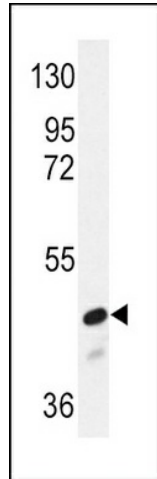
Product data:

Product Type:	Primary Antibodies
Applications:	FC, IF, WB
Recommended Dilution:	IF: 1:100, WB: 1:1000, FC: 1:10~50
Reactivity:	Human, Mouse (Predicted: Rat, Zebrafish, Bovine, Chicken, Drosophila, Pig)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This SMAD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 97-125 amino acids from human SMAD2.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	52306 Da
Gene Name:	SMAD family member 2
Database Link:	NP_001003652 Entrez Gene 17126 Mouse Entrez Gene 29357 Rat Entrez Gene 4087 Human Q15796
Synonyms:	hMAD-2; hSMAD2; JV18; JV18-1; MADH2; MADR2
Protein Families:	Cancer stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Stem cell relevant signaling - JAK/STAT signaling pathway, Stem cell relevant signaling - TGF β /BMP signaling pathway, Transcription Factors
Protein Pathways:	Adherens junction, Cell cycle, Colorectal cancer, Pancreatic cancer, Pathways in cancer, TGF-beta signaling pathway, Wnt signaling pathway

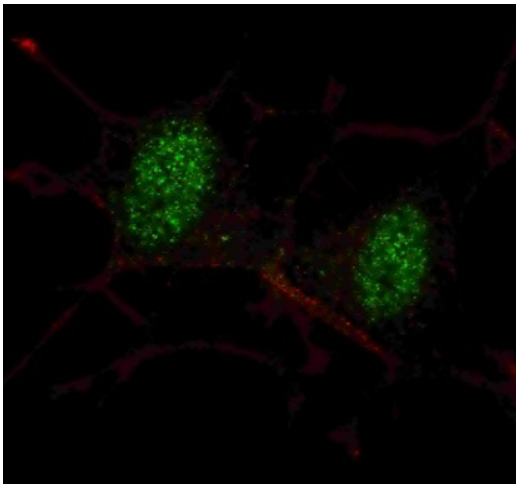


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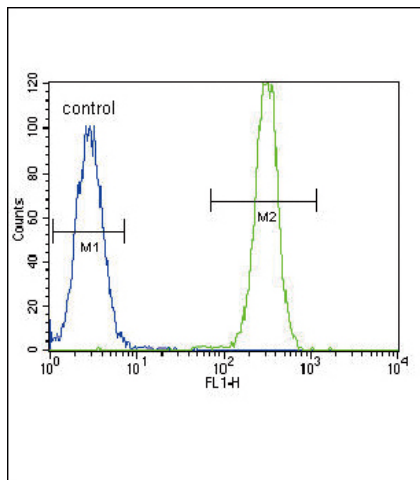
Product images:



Western blot analysis of SMAD2 Antibody (Cat.# TA324932) in NIH-3T3 cell line lysates (35ug/lane). SMAD2 (arrow) was detected using the purified Pab.



IF image of SY5Y cells stained with SMAD2 antibody. SY5Y cells were incubated with TA324932 SMAD2 primary antibody (1:100, 2 h at RT). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue). Note the highly specific localization of the SMAD2 mainly to the nucleus.



SMAD2 Antibody (Cat. #TA324932) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

