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#### Mouse Monoclonal Antibody Smad2 conjugated to Sepharose Beads

CatalogNo: ANT8064-S

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to Nhydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

#### Smad2 (ANT0011R) Rabbit mAb

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN3a3 preservative.

Host Species <ul> <li>Rabbit</li> </ul>	• Human,Mouse,Rat,	Reactivity • WB,IF,IP,ELISA	Applications
MW • 58kD (Calc 58kD (Obser	, , , , , , ,	Isotype	

## Recommended Dilution Ratios

#### IP

### **Basic Information**

Clonality Monoclonal

Clone Number ANT0011R

#### Immunogen Information

Specificity Endogenous

# Target Information

Gene name	S
Protein Name	

SMAD2

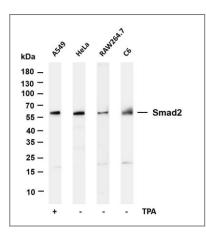
Mothers against decapentaplegic homolog 2

Organis	m Gen	e ID	UniProt ID
	Human	<u>4087</u> ;	<u>Q15796;</u>
	Mouse	<u>17126</u> ;	<u>Q62432</u> ;
	Rat	<u>29357</u> ;	<u>070436</u> ;
Cellular	Cytoplasm, Nuclear		

Localization

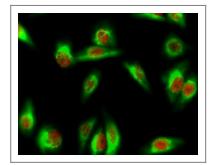
Tissue specificity Expressed at high levels in skeletal muscle, endothelial cells, heart and placenta.

trimers with the SMAD4 coSMAD. Interacts with FOXH1, homeobox protein TGIF, PEBP2-alpha subunit, CREB-binding protein (CBP), EP300 and SKI. Interacts with SNON; when phosphorylated at Ser-465/467. Interacts (via PY-motif) with SMURF2. Interacts with AIP1 and HGS. Interacts with NEDD4L in response to TGF-beta (By similarity). Interacts with LBXCOR1 and CORL2.,tissue specificity:Expressed at high levels in skeletal muscle, heart and placenta.,
domain.,subcellular location:Cytoplasmic in the absence of ligand. Migrates to the nucleus when complexed with SMAD4.,subunit:Found in a complex with SMAD3 and TRIM33 upon addition of TGF-beta. Interacts with SMAD3 and TRIM33. Interacts with SARA (SMAD anchor for receptor activation); may form



## Validation Data

Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Smad2 (ANT0011R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1:A549 treated with TPA of 48 hours Lane 2: Hela Lane 3: RAW264.7 Lane 4: C6 Predicted band size: 58kDa Observed band size: 58kDa



Immunofluorescence analysis of Hela cell. 1,Smad2 Antibody(red) was diluted at 1:200(4° overnight). MICU1 Monoclonal Antibody(Mix)(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594

Catalog:RS3611 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000(room temperature, 50min).

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