

Smad2 Rabbit pAb(AR20021)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,CoIP,IHC,IF,ELISA
Isotype:	IgG
MW:	58kD (Observed)

Recommended Dilution Ratios

WB:	1: 500-2000
IHC:	1: 100-300
IF:	1: 200-1000
ELISA:	1: 5000

Not yet tested in other applications.

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Polyclonal
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Immunogen Information

Specificity	Smad2 Polyclonal Antibody detects endogenous levels of Smad2 protein.
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Target Information

Gene name	SMAD2
Protein Name	Mothers against decapentaplegic homolog 2

Organism	Gene ID	UniProt ID
Human	4087	Q15796
Mouse	17126	Q62432
Rat	29357	O70436

Cellular Localization	Cytoplasm . Nucleus . Cytoplasmic and nuclear in the absence of TGF-beta. On TGF-beta stimulation, migrates to the nucleus when complexed with SMAD4 (PubMed:9865696, PubMed:21145499). On dephosphorylation by phosphatase PPM1A, released from the
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SMAD2/SMAD4 complex, and exported out of the nucleus by interaction with RANBP1 (PubMed:16751101, PubMed:19289081). Localized mainly to the nucleus in the early stages of embryo development with expression becoming evident in the cytoplasm at the blastocyst and epiblast stages (By similarity).

Tissue specificity

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

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