

ARG44741 anti-Smad 5 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Smad 5
Tested Reactivity	Hu
Tested Application	IHC-P, IP
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Target Name	Smad 5
Species	Human
Conjugation	Un-conjugated
Alternate Names	DWFC; Smad5; JV5-1; Mothers against decapentaplegic homolog 5; Mothers against DPP homolog 5; hSmad5; MADH5; SMAD 5; MAD homolog 5; SMAD family member 5

Application Instructions

Application table	Application	Dilution
	IHC-P	1-5 µg/mL
	IP	10 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

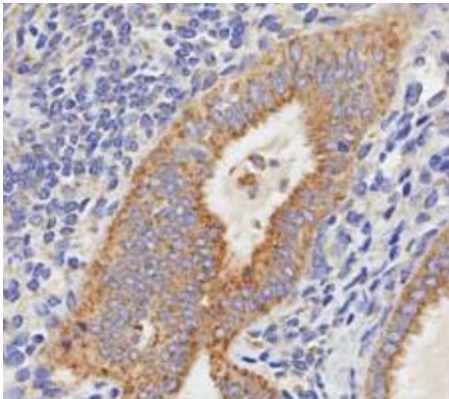
Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SMAD5
Gene Full Name	SMAD family member 5

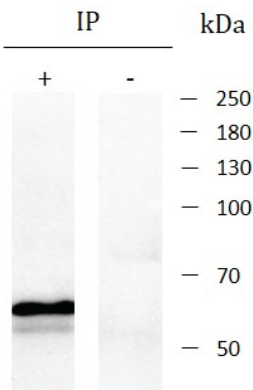
Background	The protein encoded by this gene is involved in the transforming growth factor beta signaling pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. The encoded protein is activated by bone morphogenetic proteins type 1 receptor kinase, and may be involved in cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
Function	Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD5 is a receptor-regulated SMAD (R-SMAD). [UniProt]
Calculated Mw	52 kDa
PTM	Phosphorylated on serine by BMP (bone morphogenetic proteins) type 1 receptor kinase. Ubiquitin-mediated proteolysis by SMAD-specific E3 ubiquitin ligase SMURF1. [UniProt]
Cellular Localization	Cytoplasm, Nucleus. [UniProt]

Images



ARG44741 anti-Smad 5 antibody IHC-P image

Immunohistochemistry: Endometrium stained with ARG44741 anti-Smad 5 antibody at 1 µg/mL dilution.



ARG44741 anti-Smad 5 antibody IP image

Immunoprecipitation: HeLa lysate immunoprecipitated with 2.5 µg of ARG44741 anti-Smad 5 antibody.