

ARG54040 anti-Smad 5 antibody (C-term)

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Smad 5
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	Smad 5
Species	Human
Immunogen	Purified recombinant human SMAD5 (C-terminus) protein fragments expressed in E.coli.
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
	FACS	1:100
	ICC/IF	1:75
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

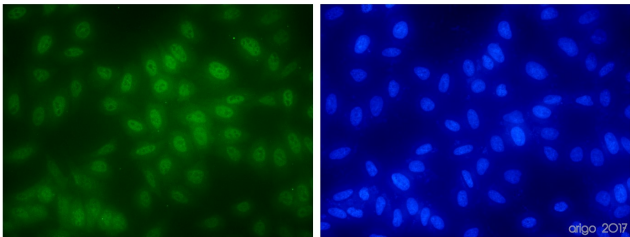
Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.1M Tris-Glycine (pH 7.4), 150 mM NaCl, 0.2% Sodium azide and 50% Glycerol
Preservative	0.2% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
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. 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

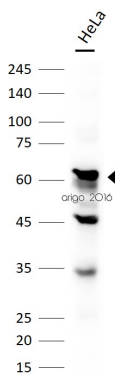
Database links	GeneID: 4090 Human Swiss-port # Q99717 Human
Gene Symbol	SMAD5
Gene Full Name	SMAD family member 5
Background	Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD5 is a receptor-regulated SMAD (R-SMAD).
Function	Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD5 is a receptor-regulated SMAD (R-SMAD). [UniProt]
Research Area	Developmental Biology antibody; Gene Regulation antibody; Signaling Transduction antibody
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.
Cellular Localization	Cytoplasm. Nucleus

Images



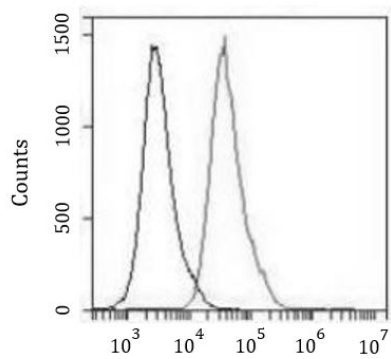
ARG54040 anti-Smad 5 antibody (C-term) ICC/IF image

Immunofluorescence: 100% Methanol fixed (RT, 10 min) HeLa cells stained with ARG54040 anti-Smad 5 antibody (C-term) at 1:75 dilution. Left: primary antibody (green). Right: DAPI (blue).
Secondary antibody: [ARG55393](#) Goat anti-Mouse IgG (H+L) antibody (FITC)



ARG54040 anti-Smad 5 antibody (C-term) WB image

Western blot: 30 µg of HeLa cell lysate stained with ARG54040 anti-Smad 5 antibody (C-term) at 1:1000 dilution.



ARG54040 anti-Smad 5 antibody (C-term) FACS image

Flow Cytometry: Jurkat cells stained with ARG54040 anti-Smad 5 antibody (C-term) at 1:100 dilution (right histogram) or isotype control (left histogram), followed by incubation with FITC labelled secondary antibody.