

## 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.

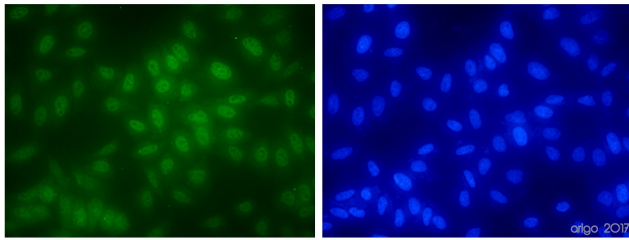
### Properties

|                     |   |
|---------------------|---|
| 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        | <a href="#">GeneID: 4090 Human</a><br><a href="#">Swiss-port # Q99717 Human</a>   |
| 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  |

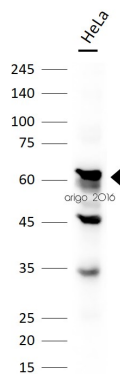
## Images



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).

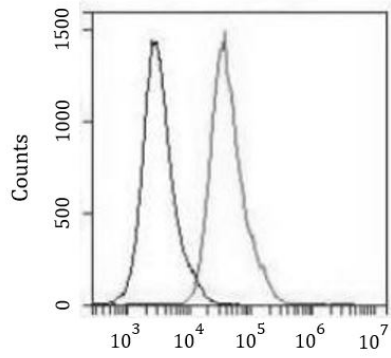
Secondary antibody: [ARG55393](#) Goat anti-Mouse IgG (H+L) antibody (FITC)



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.