

## ARG41190 anti-ZFYVE9 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ZFYVE9
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ZFYVE9
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-260 of Human ZFYVE9 (NP_004790.2).
Conjugation	Un-conjugated
Alternate Names	Smad anchor for receptor activation; Madh-interacting protein; SMADIP; PPP1R173; SARA; hSARA; Mothers against decapentaplegic homolog-interacting protein; MADHIP; Zinc finger FYVE domain-containing protein 9; NSP; Novel serine protease; Receptor activation anchor

### Application Instructions

Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:200 - 1:2000</td></tr> </table>	Application	Dilution	WB	1:200 - 1:2000
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WB	1:200 - 1:2000				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	HeLa				
Observed Size	156 kDa				

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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

Gene Symbol	ZFYVE9
Gene Full Name	zinc finger, FYVE domain containing 9
Background	This gene encodes a double zinc finger motif-containing protein that participates in the transforming growth factor-beta (TGFB) signalling pathway. The encoded protein interacts directly with SMAD2 and SMAD3, and recruits SMAD2 to the TGFB receptor. There are multiple pseudogenes for this gene on chromosomes 2, 15, and X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]
Function	Early endosomal protein that functions to recruit SMAD2/SMAD3 to intracellular membranes and to the TGF-beta receptor. Plays a significant role in TGF-mediated signaling by regulating the subcellular location of SMAD2 and SMAD3 and modulating the transcriptional activity of the SMAD3/SMAD4 complex. Possibly associated with TGF-beta receptor internalization. [UniProt]
Calculated Mw	156 kDa
Cellular Localization	Cytoplasm. Early endosome membrane. [UniProt]

## Images



ARG41190 anti-ZFYVE9 antibody WB image

Western blot: 25 µg of HeLa cell lysate stained with ARG41190 anti-ZFYVE9 antibody at 1:1000 dilution.