

ARG41871 anti-SUZ12 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SUZ12
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SUZ12
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 470-739 of Human SUZ12. (NP_056170.2)
Conjugation	Un-conjugated
Alternate Names	Polycomb protein SUZ12; Chromatin precipitated E2F target 9 protein; ChET 9 protein; CHET9; Joined to JAZF1 protein; JJA21; Suppressor of zeste 12 protein homolog

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:100
	IP	1:50 - 1:100
	WB	1:500 - 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	~ 100 kDa	

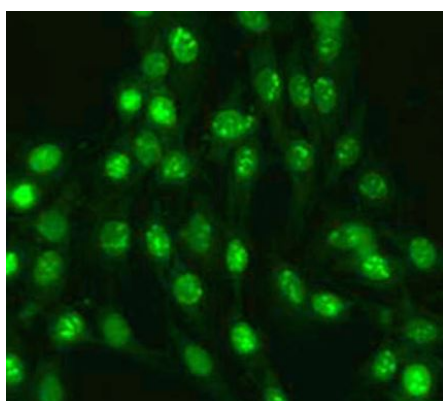
Properties

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.

Bioinformation

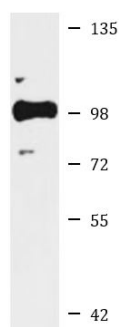
Gene Symbol	SUZ12
Gene Full Name	SUZ12 polycomb repressive complex 2 subunit
Background	This zinc finger gene has been identified at the breakpoints of a recurrent chromosomal translocation reported in endometrial stromal sarcoma. Recombination of these breakpoints results in the fusion of this gene and JAZF1. The protein encoded by this gene contains a zinc finger domain in the C terminus of the coding region. [provided by RefSeq, Jul 2009]
Function	Polycomb group (PcG) protein. Component of the PRC2/EED-EZH2 complex, which methylates 'Lys-9' (H3K9me) and 'Lys-27' (H3K27me) of histone H3, leading to transcriptional repression of the affected target gene. The PRC2/EED-EZH2 complex may also serve as a recruiting platform for DNA methyltransferases, thereby linking two epigenetic repression systems. Genes repressed by the PRC2/EED-EZH2 complex include HOXC8, HOXA9, MYT1 and CDKN2A. [UniProt]
Calculated Mw	83 kDa
PTM	Sumoylated, probably by PIAS2. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



ARG41871 anti-SUZ12 antibody ICC/IF image

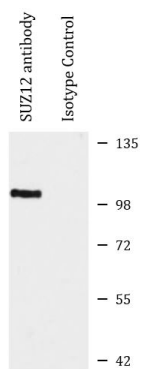
Immunofluorescence: C6 cells stained with ARG41871 anti-SUZ12 antibody at 1:100 dilution.



HeLa

ARG41871 anti-SUZ12 antibody WB image

Western blot: 25 µg of HeLa cell lysate stained with ARG41871 anti-SUZ12 antibody at 1:1000 dilution.



ARG41871 anti-SUZ12 antibody IP image

Immunoprecipitation: 200 µg extracts of HeLa cells were immunoprecipitated and stained with ARG41871 anti-SUZ12 antibody at 1:500 dilution.