

For Research Use Only

SUZ12 Recombinant antibody, PBS Only

Catalog Number: 84895-3-PBS



Basic Information

Catalog Number:

84895-3-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_015355

GeneID (NCBI):

23512

UNIPROT ID:

Q15022

Full Name:

suppressor of zeste 12 homolog (Drosophila)

Calculated MW:

83 kDa

Observed MW:

80-90 kDa

Purification Method:

Protein A purification

CloneNo.:

242491B3

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:

human

Background Information

SUZ12, also termed CHET9, JJAZ1 or KIAA0160, belongs to the VEFs (VRN2-EMF2-FIS2-SU(Z)12) family. It is a polycomb group (PcG) protein. SUZ12 is a component of the PRC2/EED-EZH2 complex, which methylates 'Lys-9' and 'Lys-27' 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. A chromosomal aberration involving SUZ12 may be a cause of endometrial stromal tumors.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

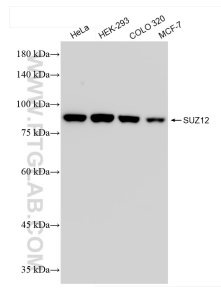
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

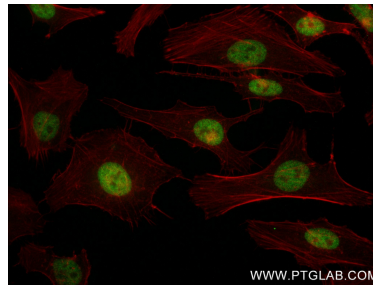
E: proteintech@ptglab.com
W: ptglab.com

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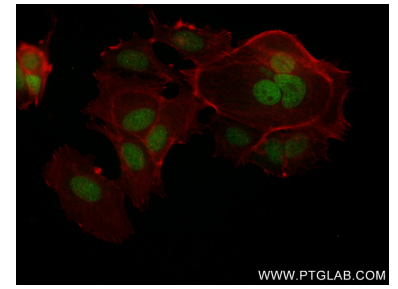
Selected Validation Data



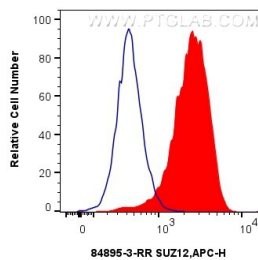
Various lysates were subjected to SDS PAGE followed by western blot with 84895-3-RR (SUZ12 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84895-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SUZ12 antibody (84895-3-RR, Clone: 242491B3) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84895-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using SUZ12 antibody (84895-3-RR, Clone: 242491B3) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84895-3-PBS in a different storage buffer formulation.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug SUZ12 Recombinant antibody (84895-3-RR, Clone:242491B3) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 84895-3-PBS in a different storage buffer

