

For Research Use Only

CoraLite® Plus 488-conjugated SUZ12 Recombinant monoclonal antibody

Catalog Number:CL488-84895-3



Basic Information

Catalog Number:

CL488-84895-3

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

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coralite® Plus 488 SUZ12 antibody (CL488-84895-3, Clone: 242491B3) at dilution of 1:200, CL594-Phalloidin (red).