

# SUZ12 Antibody

Rabbit mAb

Catalog # AP90989

## Product Information

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<b>Application</b>	WB, IF, ICC, IP
<b>Primary Accession</b>	<a href="#">Q15022</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	CHET9; JJAZ1; KIAA0160; SUZ12;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	83055

## Additional Information

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<b>Dilution</b>	WB 1:500~1:2000 ICC/IF 1:50~1:200 IP 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human SUZ12
<b>Description</b>	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.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

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<b>Name</b>	SUZ12
<b>Synonyms</b>	CHET9, JJAZ1, KIAA0160
<b>Function</b>	Polycomb group (PcG) protein. Component of the PRC2 complex, which methylates 'Lys-9' (H3K9me) and 'Lys-27' (H3K27me) of histone H3, leading to transcriptional repression of the affected target gene (PubMed: <a href="#">15225548</a> , PubMed: <a href="#">15231737</a> , PubMed: <a href="#">15385962</a> , PubMed: <a href="#">16618801</a> , PubMed: <a href="#">17344414</a> , PubMed: <a href="#">18285464</a> , PubMed: <a href="#">28229514</a> , PubMed: <a href="#">29499137</a> , PubMed: <a href="#">31959557</a> ). The PRC2 complex may also serve as a recruiting platform for DNA methyltransferases, thereby linking two epigenetic repression systems (PubMed: <a href="#">12351676</a> , PubMed: <a href="#">12435631</a> , PubMed: <a href="#">15099518</a> , PubMed: <a href="#">15225548</a> , PubMed: <a href="#">15385962</a> , PubMed: <a href="#">15684044</a> , PubMed: <a href="#">16431907</a> , PubMed: <a href="#">18086877</a> , PubMed: <a href="#">18285464</a> ). Genes repressed by the PRC2 complex include HOXC8, HOXA9, MYT1 and CDKN2A (PubMed: <a href="#">15231737</a> , PubMed: <a href="#">16618801</a> ,

PubMed:[17200670](#), PubMed:[31959557](#)).

**Cellular Location**

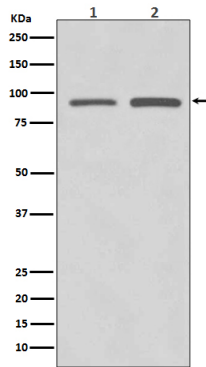
Nucleus Note=Localizes to chromatin as part of the PRC2 complex

**Tissue Location**

Overexpressed in breast and colon cancer.

**Images**

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Western blot analysis of SUZ12 expression in (1) HeLa cell lysate; (2) SW480 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.