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# SUZ12 antibody - middle region
**Rabbit Polyclonal Antibody**
**Catalog # AI10063**

## Specification

### SUZ12 antibody - middle region - Product Information

| | |
|---|---|
| Application | **CHIP, IHC, WB** |
| Primary Accession | Q15022 |
| Other Accession | Q15022, NP_056170, NM_015355 |
| Reactivity | **Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine** |
| Predicted | **Human, Mouse, Rabbit, Chicken, Dog, Horse, Bovine** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **83 kDa KDa** |

### SUZ12 antibody - middle region - Additional Information

**Gene ID** 23512

| | |
|---|---|
| Alias Symbol | **CHET9, JJAZ1, KIAA0160** |

**Other Names**
Polycomb protein SUZ12, Chromatin precipitated E2F target 9 protein, ChET 9 protein, Joined to JAZF1 protein, Suppressor of zeste 12 protein homolog, SUZ12, CHET9, JJAZ1, KIAA0160

**Target/Specificity**
A chromosomal aberration involving SUZ12 may be a cause of endometrial stromal tumors. Translocation t (7, 17)(p15, q21) with JAZF1 generates the JAZF1-SUZ12 oncogene consisting of the N-terminus part of JAZF1 and the C-terminus part of SUZ12. It is frequently found in all cases of endometrial stromal tumors, except in endometrial stromal sarcomas, where it is rarer.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. The specific function of this gene has not yet been determined. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

**Format**
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**
Add 50 ul of distilled water. Final anti-SUZ12 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

**Precautions**
SUZ12 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## SUZ12 antibody - middle region - Protein Information

**Name** SUZ12

**Synonyms** CHET9, JJAZ1, KIAA0160

**Function**
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="http://www.uniprot.org/citations/15225548" target="_blank">15225548</a>, PubMed:<a href="http://www.uniprot.org/citations/15231737" target="_blank">15231737</a>, PubMed:<a href="http://www.uniprot.org/citations/15385962" target="_blank">15385962</a>, PubMed:<a href="http://www.uniprot.org/citations/16618801" target="_blank">16618801</a>, PubMed:<a href="http://www.uniprot.org/citations/17344414" target="_blank">17344414</a>, PubMed:<a href="http://www.uniprot.org/citations/18285464" target="_blank">18285464</a>, PubMed:<a href="http://www.uniprot.org/citations/28229514" target="_blank">28229514</a>, PubMed:<a href="http://www.uniprot.org/citations/29499137" target="_blank">29499137</a>, PubMed:<a href="http://www.uniprot.org/citations/31959557" target="_blank">31959557</a>). The PRC2 complex may also serve as a recruiting platform for DNA methyltransferases, thereby linking two epigenetic repression systems (PubMed:<a href="http://www.uniprot.org/citations/12435631" target="_blank">12435631</a>, PubMed:<a href="http://www.uniprot.org/citations/12351676" target="_blank">12351676</a>, PubMed:<a href="http://www.uniprot.org/citations/15385962" target="_blank">15385962</a>, PubMed:<a href="http://www.uniprot.org/citations/15099518" target="_blank">15099518</a>, PubMed:<a href="http://www.uniprot.org/citations/15225548" target="_blank">15225548</a>, PubMed:<a href="http://www.uniprot.org/citations/15684044" target="_blank">15684044</a>, PubMed:<a href="http://www.uniprot.org/citations/16431907" target="_blank">16431907</a>, PubMed:<a href="http://www.uniprot.org/citations/18086877" target="_blank">18086877</a>, PubMed:<a href="http://www.uniprot.org/citations/18285464" target="_blank">18285464</a>). Genes repressed by the PRC2 complex include HOXC8, HOXA9, MYT1 and CDKN2A (PubMed:<a href="http://www.uniprot.org/citations/15231737" target="_blank">15231737</a>, PubMed:<a href="http://www.uniprot.org/citations/16618801" target="_blank">16618801</a>, PubMed:<a href="http://www.uniprot.org/citations/17200670" target="_blank">17200670</a>, PubMed:<a href="http://www.uniprot.org/citations/31959557" target="_blank">31959557</a>).

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

**Tissue Location**
Overexpressed in breast and colon cancer.

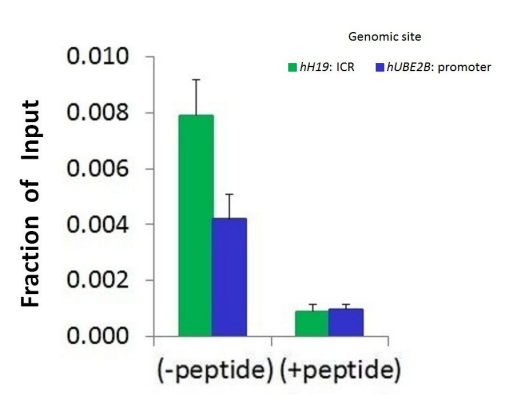
## SUZ12 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

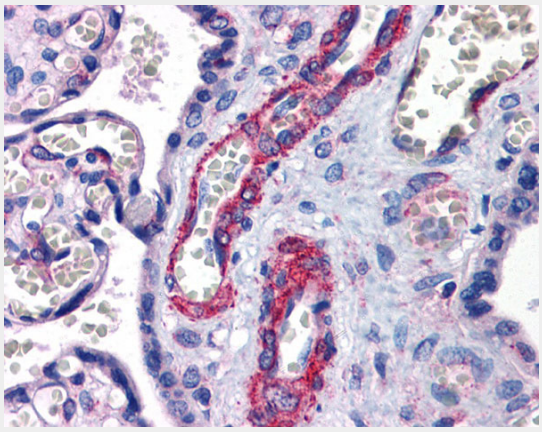
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## SUZ12 antibody - middle region - Images

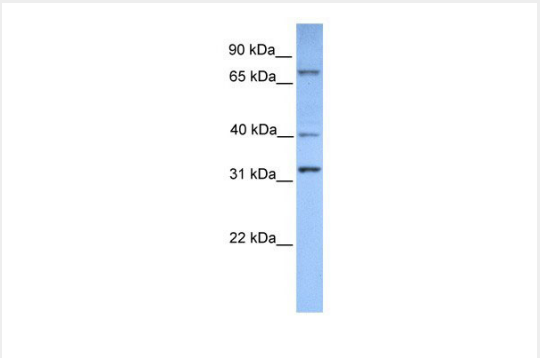
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SUZ12 antibody - middle region (AI10063) in HCT116 cells using Chromatin Immunoprecitation Chromatin Immunoprecipitation (ChIP) Using SUZ12 antibody - middle region (AI10063) and HCT116 Cells



SUZ12 antibody - middle region (AI10063) in Human Placenta cells using Immunohistochemistry Placenta




SUZ12 antibody - middle region (AI10063) in Human HeLa cells using Western Blot
WB Suggested Anti-SUZ12 Antibody Titration: 0.2-1 µg/ml
Positive Control: Hela cell lysate
SUZ12 is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells

**SUZ12 antibody - middle region - Background**

This is a rabbit polyclonal antibody against SUZ12. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole

protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).