

**(Mouse) Suz12 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21111a**

### Specification

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#### **(Mouse) Suz12 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q80U70</a>
Other Accession	<a href="#">Q15022</a>
Reactivity	Mouse
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	83026

#### **(Mouse) Suz12 Antibody (Center) - Additional Information**

**Gene ID** 52615

#### **Other Names**

Polycomb protein Suz12, Suppressor of zeste 12 protein homolog, Suz12, D11Ert530e, Kiaa0160

#### **Target/Specificity**

This Mouse Suz12 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 496-530 amino acids from the Central region of Mouse Suz12.

#### **Dilution**

WB~~1:1000

#### **Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

(Mouse) Suz12 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

#### **(Mouse) Suz12 Antibody (Center) - Protein Information**

**Name** Suz12

**Synonyms** D11Ert530e, Kiaa0160

**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

(By similarity). Genes repressed by the PRC2/EED- EZH2 complex include HOXA7, HOXB6 and HOXC8.

#### Cellular Location

Nucleus. Chromosome. Note=Localizes to the inactive X chromosome in trophoblast stem cells

#### Tissue Location

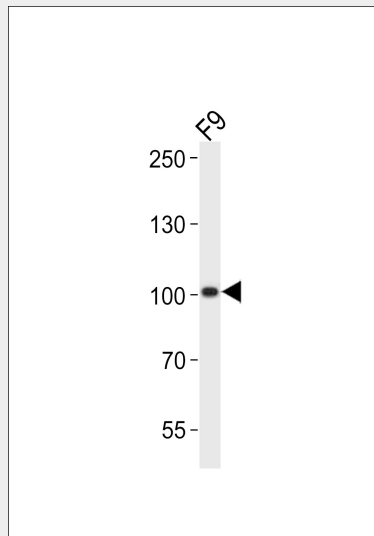
Expressed in embryonic stem cells.

### (Mouse) Suz12 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### (Mouse) Suz12 Antibody (Center) - Images



Western blot analysis of lysate from mouse F9 cell line, using Suz12 Antibody (Center)(Cat. #AP21111a). AP21111a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

### (Mouse) Suz12 Antibody (Center) - Background

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 (By similarity). Genes repressed by the PRC2/EED-EZH2 complex include HOXA7, HOXB6 and HOXC8.

### (Mouse) Suz12 Antibody (Center) - References

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Pasini D., et al. EMBO J. 23:4061-4071(2004).  
Umlauf D., et al. Nat. Genet. 36:1296-1300(2004).  
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