

## (Mouse) Suz12 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21111a

## **Specification**

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

**Application** WB,E **Primary Accession** 080U70 Other Accession 015022 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, D11Ertd530e, 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

E~~Use at an assay dependent concentration.

## **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.

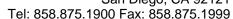
## (Mouse) Suz12 Antibody (Center) - Protein Information

# Name Suz12

Synonyms D11Ertd530e, 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**

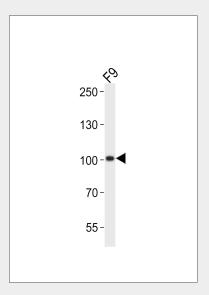
Expressed in embryonic stem cells.

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

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

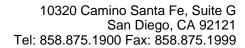
# (Mouse) Suz12 Antibody (Center) - Images



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

Okazaki N.,et al.DNA Res. 10:35-48(2003). Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009). Pasini D.,et al.EMBO J. 23:4061-4071(2004). Umlauf D.,et al.Nat. Genet. 36:1296-1300(2004). Kuzmichev A.,et al.Proc. Natl. Acad. Sci. U.S.A. 102:1859-1864(2005).