

**(Mouse) Suz12 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21242c**

## Specification

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

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P,E            |
| Primary Accession | <a href="#">Q80U70</a> |
| Reactivity        | Human, Mouse           |
| 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 381-395 amino acids from the Central region of mouse Suz12.

#### Dilution

WB~~1:2000

IHC-P~~1:25

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### 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

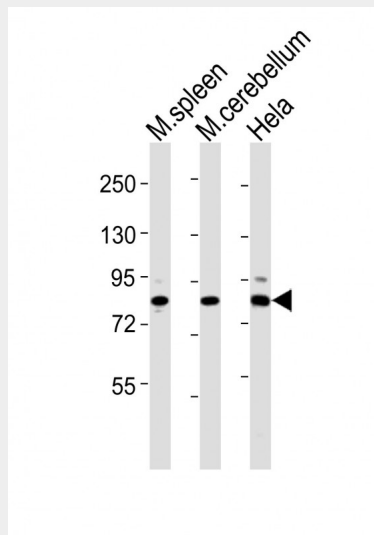
Expressed in embryonic stem cells.

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

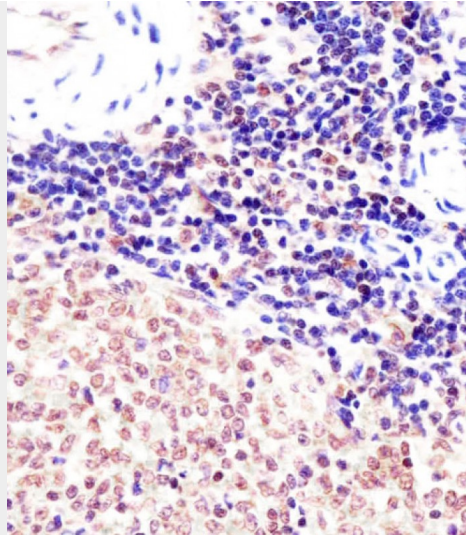
Provided below are standard protocols that you may find useful for product applications.

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

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



All lanes : Anti-Suz12 Antibody (Center) at 1:2000 dilution Lane 1: mouse spleen lysates Lane 2: mouse cerebellum lysates Lane 3: HeLa whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 83 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AP21242c staining (Mouse) Suz12 in mouse spleen sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

#### **(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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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).