

## (Mouse) Suz12 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21111a

### Product Information

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Application	WB, E
Primary Accession	<a href="#">Q80U70</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51502
Calculated MW	83026

### Additional Information

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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 E~~Use at an assay dependent concentration.
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.

### Protein Information

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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.

<b>Cellular Location</b>	Nucleus. Chromosome. Note=Localizes to the inactive X chromosome in trophoblast stem cells
<b>Tissue Location</b>	Expressed in embryonic stem cells.

## Background

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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.

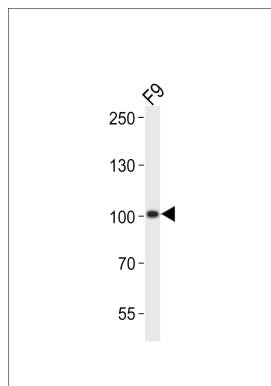
## References

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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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## Images

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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.

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