

Suz12 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5499**Specification**

Suz12 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q15022
Other Accession	Q80U70
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	M=83;H=83 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

Suz12 Antibody (Center) - Additional Information**Gene ID** 23512**Antigen Region**
496-530**Other Names**

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

Dilution

WB~~1:1000

Target/Specificity

This 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.

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

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

Suz12 Antibody (Center) - 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:15225548, PubMed:15231737, PubMed:15385962, PubMed:16618801, PubMed:17344414, PubMed:18285464, PubMed:28229514, PubMed:29499137, PubMed:31959557). The PRC2 complex may also serve as a recruiting platform for DNA methyltransferases, thereby linking two epigenetic repression systems (PubMed:12351676, PubMed:12435631, PubMed:15099518, PubMed:15225548, PubMed:15385962, PubMed:15684044, PubMed:16431907, PubMed:18086877, PubMed:18285464). Genes repressed by the PRC2 complex include HOXC8, HOXA9, MYT1 and CDKN2A (PubMed:15231737, PubMed:16618801, PubMed:17200670, PubMed:31959557).

Cellular Location

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

Tissue Location

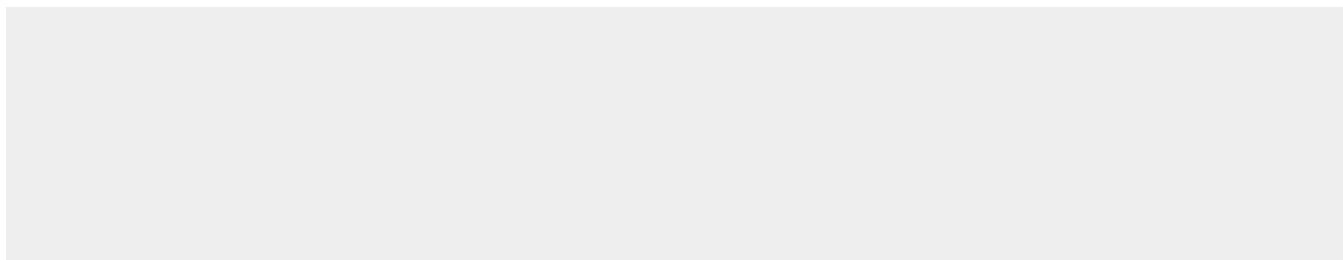
Overexpressed in breast and colon cancer.

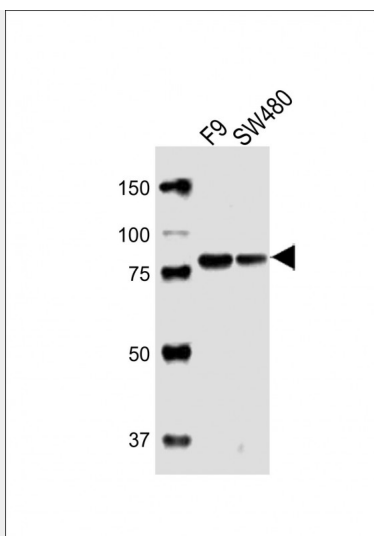
Suz12 Antibody (Center) - Protocols

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](#)

Suz12 Antibody (Center) - Images





All lanes : Anti-Suz12 Antibody (Center) at 1:1000 dilution Lane 1: F9 whole cell lysates Lane 2: SW480 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.

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.

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).