

Suz12 polyclonal antibody
Rabbit Polyclonal Antibody
Catalog # ABV11367**Specification**

Suz12 polyclonal antibody - Product Information

Application	WB
Primary Accession	Q15022
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	83055

Suz12 polyclonal antibody - Additional Information**Gene ID** 23512**Positive Control****Western blot: HeLa cells, ChIP: Mouse ES cells.****Application & Usage****ChIP: 10 µg/ChIP, Western Blot: 1:1000****Other Names**

CHET9, JAZ1

Target/Specificity

Suz12

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

In PBS with 0.05% sodium azide and 0.05% ProClin 300.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Suz12 polyclonal antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Suz12 polyclonal antibody - 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:12435631, PubMed:12351676, PubMed:15385962, PubMed:15099518, PubMed:15225548, 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 polyclonal antibody - 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 polyclonal antibody - Images

Suz12 polyclonal antibody - Background

Suz12 is a Polycomb group (PcG) protein. These proteins form multiprotein complexes, which keep homeotic genes in a transcriptionally repressive state throughout development. PcG proteins are not required to initiate repression, but maintain it during later stages of development. They probably act via the methylation of histones. Suz12 is a component of the PRC2 complex, which is composed of EED, EZH2, SUZ12/JJAZ1, RBBP4 and RBBP7, and methylates 'Lys-9' and 'Lys-27' of histone H3.