

SUZ12 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS16789**Specification**

SUZ12 Antibody (Internal) - Product Information

Application	IHC, IF, WB
Primary Accession	Q15022
Other Accession	23512
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	83055

SUZ12 Antibody (Internal) - Additional Information**Gene ID** 23512**Other Names**

SUZ12, ChET 9 protein, joined to JAZF1 protein, CHET9, JJAZ1, KIAA0160, Polycomb protein SUZ12

Target/Specificity

SUZ12 antibody is human specific.

Reconstitution & Storage

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

SUZ12 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

SUZ12 Antibody (Internal) - 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)

target="_blank">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

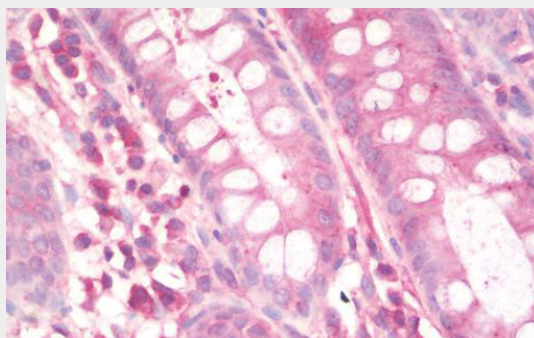
Overexpressed in breast and colon cancer.

SUZ12 Antibody (Internal) - Protocols

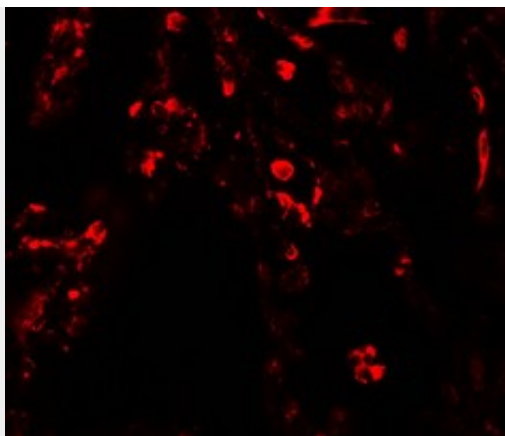
Provided below are standard protocols that you may find useful for product applications.

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

SUZ12 Antibody (Internal) - Images



Anti-SUZ12 antibody IHC staining of human colon.



Immunofluorescence of SUZ12 in human lung tissue with SUZ12 antibody at 20 µg/mL.



Western blot analysis of SUZ12 in human liver tissue lysate with SUZ12 antibody at 1 µg/ml.

SUZ12 Antibody (Internal) - 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. Genes repressed by the PRC2/EED-EZH2 complex include HOXC8, HOXA9, MYT1 and CDKN2A.

SUZ12 Antibody (Internal) - References

- Nagase T.,et al.DNA Res. 2:167-174(1995).
- Koontz J.I.,et al.Proc. Natl. Acad. Sci. U.S.A. 98:6348-6353(2001).
- Weinmann A.S.,et al.Mol. Cell. Biol. 21:6820-6832(2001).
- Kuzmichev A.,et al.Genes Dev. 16:2893-2905(2002).
- Cao R.,et al.Science 298:1039-1043(2002).