

**SUZ12 Monoclonal Antibody**

<b>Catalog No :</b>	YM0602
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;IF;ELISA
<b>Target :</b>	SUZ12
<b>Gene Name :</b>	SUZ12
<b>Protein Name :</b>	Polycomb protein SUZ12
<b>Human Gene Id :</b>	23512
<b>Human Swiss Prot No :</b>	Q15022
<b>Mouse Swiss Prot No :</b>	Q80U70
<b>Immunogen :</b>	Purified recombinant fragment of human SUZ12 expressed in E. Coli.
<b>Specificity :</b>	SUZ12 Monoclonal Antibody detects endogenous levels of SUZ12 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	83kD
<b>P References :</b>	1. Genes Dev. 2008 May 15;22(10):1345-55. 2. Proc Natl Acad Sci U S A. 2007 Dec 11;104(50):20001-6.

**Background :**

This zinc finger gene has been identified at the breakpoints of a recurrent chromosomal translocation reported in endometrial stromal sarcoma. Recombination of these breakpoints results in the fusion of this gene and JAZF1. The protein encoded by this gene contains a zinc finger domain in the C terminus of the coding region. [provided by RefSeq, Jul 2009],

**Function :**

caution:Two variants of the PRC2 complex have been described, termed PRC3 and PRC4. Each of the three complexes may include a different complement of EED isoforms, although the precise sequences of the isoforms in each complex have not been determined. The PRC2 and PRC4 complexes may also methylate 'Lys-26' of histone H1 in addition to 'Lys-27' of histone H3 (PubMed:15099518 and PubMed:15684044), although other studies have demonstrated no methylation of 'Lys-26' of histone H1 by PRC2 (PubMed:16431907).,developmental stage:Expressed at low levels in quiescent cells. Expression rises at the G1/S phase transition.,disease:A chromosomal aberration involving SUZ12 may be a cause of endometrial stromal tumors. Translocation t(7;17)(p15;q21) with JAZF1. The translocation generates the JAZF1-SUZ12 oncogene consisting of the N-terminus part of JAZF1 and the C-terminus part of SUZ12. It is freque

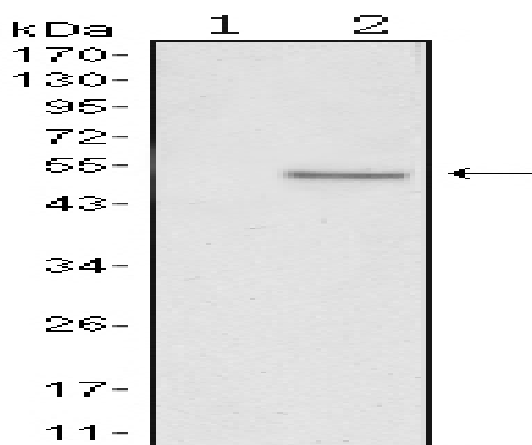
**Subcellular Location :**

Nucleus . Localizes to chromatin as part of the PRC2 complex. .

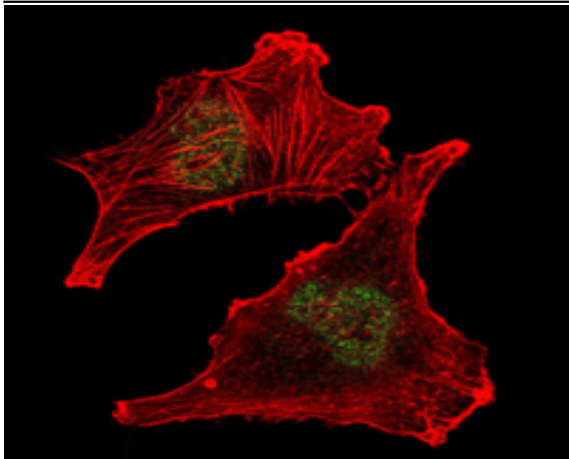
**Expression :**

Overexpressed in breast and colon cancer.

## Products Images



Western Blot analysis using SUZ12 Monoclonal Antibody against HEK293 (1) and SUZ12-hlgGfc transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of U251 cells using SUZ12 Monoclonal Antibody (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.