

SUZ12 Monoclonal Antibody

Catalog No :	YM0602
Reactivity :	Human
Applications :	WB;IF;ELISA
Target :	SUZ12
Gene Name :	SUZ12
Protein Name :	Polycomb protein SUZ12
Human Gene Id :	23512
Human Swiss Prot No :	Q15022
Mouse Swiss Prot No :	Q80U70
Immunogen :	Purified recombinant fragment of human SUZ12 expressed in E. Coli.
Specificity :	SUZ12 Monoclonal Antibody detects endogenous levels of SUZ12 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	83kD
P References :	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

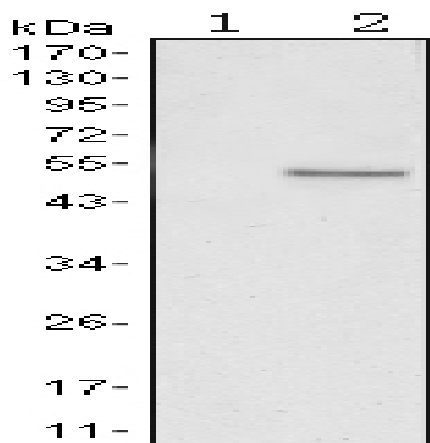
Subcellular Location :

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

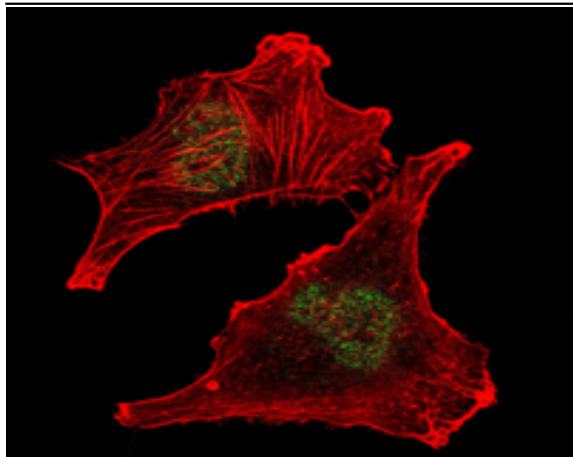
Expression :

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.