



# SUZ12 Monoclonal Antibody

<b>Catalog No</b>	YP-Ab-01025
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	WB;IF;ELISA
<b>Gene Name</b>	SUZ12
<b>Protein Name</b>	Polycomb protein SUZ12
<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>	Ascitic fluid containing 0.03% sodium azide, 0.5% BSA, 50% glycerol.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	Affinity purification
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	SUZ12; CHET9; JAZ1; KIAA0160; Polycomb protein SUZ12; Chromatin precipitated E2F target 9 protein; ChET 9 protein; Joined to JAZF1 protein; Suppressor of zeste 12 protein homolog
<b>Observed Band</b>	
<b>Cell Pathway</b>	Nucleus . Localizes to chromatin as part of the PRC2 complex. .
<b>Tissue Specificity</b>	Overexpressed in breast and colon cancer.
<b>Function</b>	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
<b>Background</b>	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],

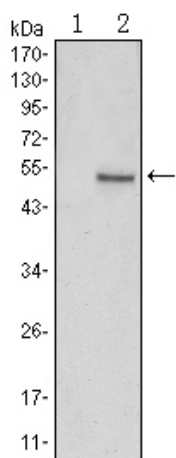
#### matters needing attention

Avoid repeated freezing and thawing!

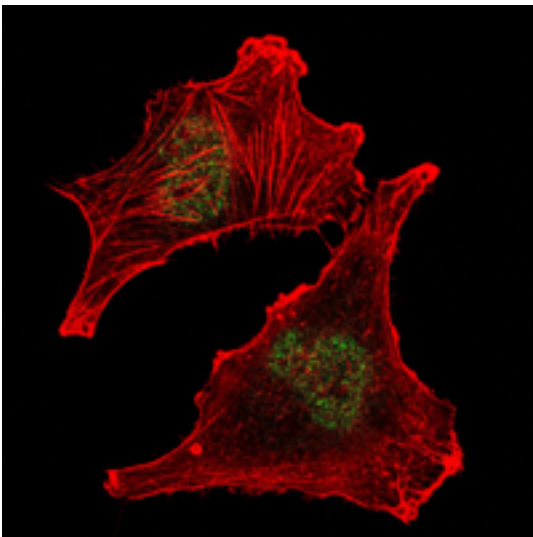
#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images



Western Blot analysis using SUZ12 Monoclonal Antibody against HEK293 (1) and SUZ12-hlgFc 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.