



SUZ12 Monoclonal Antibody

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

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],

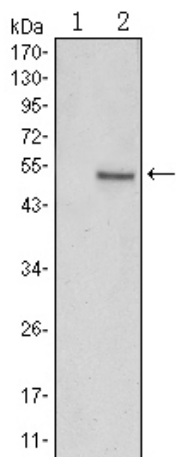
matters needing attention

Avoid repeated freezing and thawing!

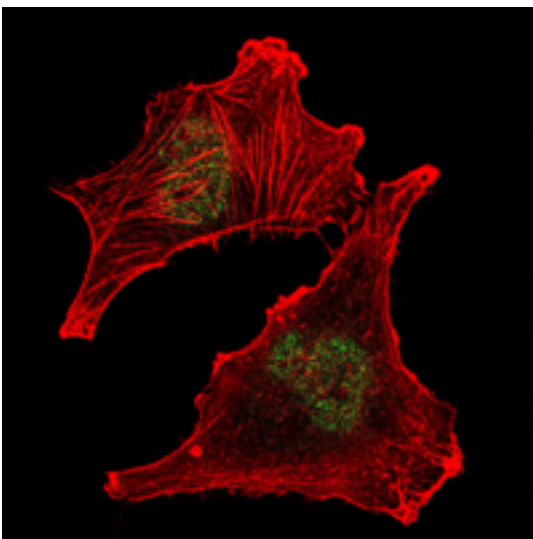
Usage suggestions

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-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.