

Mouse Monoclonal Antibody to SUZ12
Purified Mouse Monoclonal Antibody
Catalog # AO2380a**Specification**

Mouse Monoclonal Antibody to SUZ12 - Product Information

Application	WB, FC, E
Primary Accession	Q15022
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	83kDa KDa

Description

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.;

Immunogen

Purified recombinant fragment of human SUZ12 (AA: 1-139) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

Application Note

ELISA: 1/10000; WB: 1/500 - 1/2000; FCM: 1/200 - 1/400

Mouse Monoclonal Antibody to SUZ12 - Additional Information

Gene ID 23512

Other Names

CHET9; JAZ1

Dilution

WB~~1:1000
FC~~1:10~50
E~~N/A

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Mouse Monoclonal Antibody to SUZ12 is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Monoclonal Antibody to SUZ12 - 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, PubMed:29499137, PubMed:31959557). The PRC2 complex may also serve as a recruiting platform for DNA methyltransferases, thereby linking two epigenetic repression systems (PubMed:12351676, PubMed:12435631, PubMed:15099518, PubMed:15225548, PubMed:15385962, 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

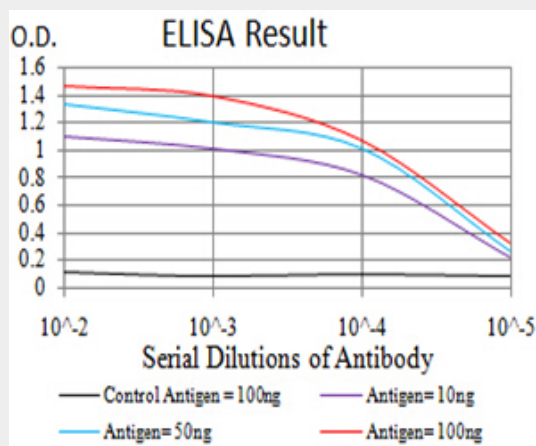
Overexpressed in breast and colon cancer.

Mouse Monoclonal Antibody to SUZ12 - Protocols

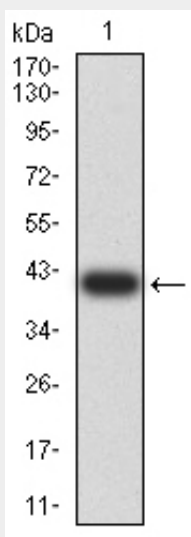
Provided below are standard protocols that you may find useful for product applications.

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

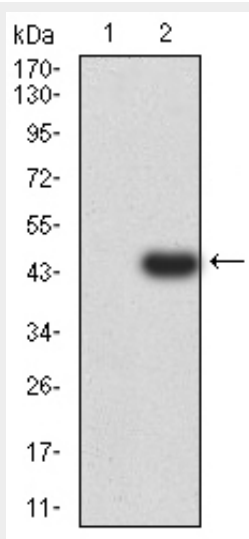
Mouse Monoclonal Antibody to SUZ12 - Images



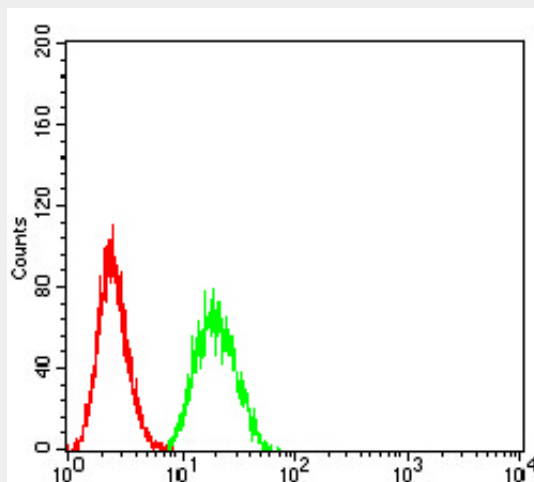
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using SUZ12 mAb against human SUZ12 (AA: 1-139) recombinant protein. (Expected MW is 39.9 kDa)



Western blot analysis using SUZ12 mAb against HEK293 (1) and SUZ12 (AA: 1-139)-hIgGFc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of Hela cells using SUZ12 mouse mAb (green) and negative control (red).

Mouse Monoclonal Antibody to SUZ12 - References

1.Tumour Biol. 2014 Jun;35(6):6073-82. ; 2.Cell Physiol Biochem. 2013;31(6):778-84.;