10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-SUZ12 Antibody (clone 3D10)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17894

Product Information

Application	WB, IHC-P, E
Primary Accession	Q15022
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	3D10
Calculated MW	83055

Additional Information

Gene ID	23512
Alias Symbol	SUZ12
Other Names	SUZ12, ChET 9 protein, Joined to JAZF1 protein, CHET9, JJAZ1, KIAA0160, Polycomb protein SUZ12
Target/Specificity	Human SUZ12
Reconstitution & Storage	Ascites
Precautions	Anti-SUZ12 Antibody (clone 3D10) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.