

SUZ12 Polyclonal Antibody

Catalog Number49-1035

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	ChIP assay (ChIP)	Dilution *10 µg
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	Raised against the N-terminus of the recombinant human Suz12 protein.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	2 mg/mL		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

SUZ12 (polycomb protein SUZ12) is a zinc finger gene and 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. SUZ12 is also a component of the PRC2 /EED-EZH2 complex which methylates Lys-9 (H3K9me) and Lys-27 (H3K27me) of histone H3 leading to transcriptional repression of the affected target gene. The protein encoded by this gene contains a zinc finger domain in the C terminus of the coding region.

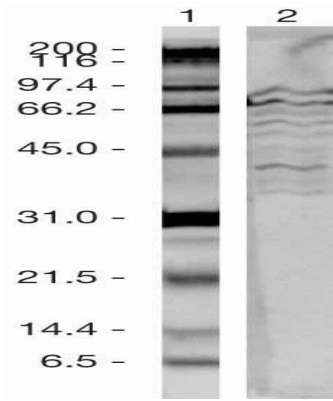
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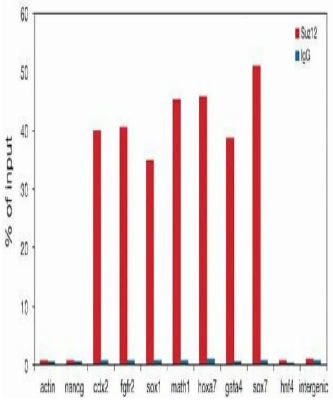
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Product Images For SUZ12 Polyclonal Antibody



SUZ12 Antibody (49-1035) in WB

Western blot analysis using the anti-Suz12 antibody. Nuclear extracts of HeLa cells (20 µg) were analyzed by western blot using the anti-Suz12 antibody (Product # 49-1035), diluted 1:1,000 in TBS-Tween containing 5% milk (lane 2, predicted size: 83 kDa). A molecular weight marker is shown in lane 1.



SUZ12 Antibody (49-1035) in ChIP

ChIP assays were performed using 600 µg chromatin from ES cells and 10 µg of the anti-Suz12 antibody (Product # 49-1034). IgG (10 µg) was used as a negative IP control. The immunoprecipitated DNA was analyzed by qPCR with specific primer sets for different positive and negative genes. Figure 2 shows the results expressed as a percentage of input (the relative abundance of target DNA in the immunoprecipitates compared to the input DNA).

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