

Rabbit anti-Human, Mouse Suz12 Polyclonal Antibody | anti-Suz12 antibody

Suz12 antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59807	Rabbit	Human, Mouse	Western Blot, Immunofluorescence, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

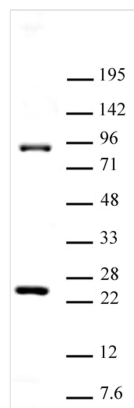
PRODUCT SYNONYMS

Suz12; Polyclonal Antibody; Suz12 antibody (pAb); CHET9; JJAZ1; anti-Suz12 antibody

PRODUCT SPECIFICATIONS

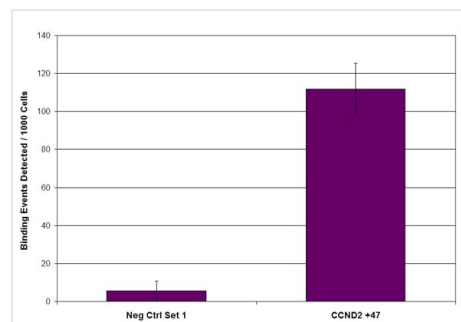
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	PBS, 30% glycerol, 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-Suz12 antibody	WB (Western Blot), IF (Immunofluorescence), ChIP (Chromatin immunoprecipitation), ChIP (Chromatin immunoprecipitation)
Immunogen	This Suz12 antibody was raised against a peptide corresponding to the C-terminus of human Suz12.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



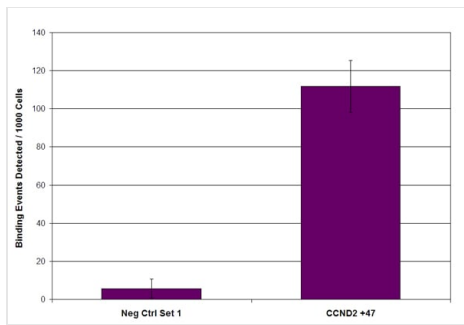
WB (Western Blot)

Suz12 antibody (pAb) tested by Western blot. HeLa cell nuclear extract (20 ?g) was probed with Suz12 pAb (1:500 dilution).



ChIP (Chromatin Immunoprecipitation)

Suz12 antibody (pAb) tested by ChIP. Chromatin immunoprecipitation (ChIP) was performed using the ChIP-IT High Sensitivity Kit with 30 ug of chromatin from human non-small cell lung carcinoma cell line NCI-H1299 cells and 10 ul of Suz12 antibody. ChIP DNA was used in qPCR with the control primer pairs or gene-specific primer pairs as indicated. Data are presented as Binding Events Detected per 1000 Cells using Epigenetic Services normalization scheme which accounts for primer efficiency and the amount of chromatin used in the ChIP reaction.



ChIP (Chromatin Immunoprecipitation)

Suz12 antibody (pAb) tested by ChIP-Seq. ChIP was performed using the ChIP-IT High Sensitivity Kit with 30 ug of chromatin from a human B cell lymphoma cell line and 10 ul of antibody. ChIP DNA was sequenced on the Illumina HiSeq and 15 million sequence tags were mapped to identify Suz12 binding sites. The image shows binding across a region of chromosome 12.

ADDITIONAL INFORMATION

Related Product Information for anti-Suz12 antibody	Short Description: Our Suz12 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq, Immunofluorescence and Western blot; it has been shown to react with Human and Mouse samples.
	Background: Suz12 (Suppressor-of-Zeste 12 protein, also designated as ChET9, JJAZ1 protein) is a component of the Polycomb group complexes 2, 3 and 4 (PRC2, PRC3 and PRC4), which also contain the histone methyltransferase EZH2, EED (Embryonic Ectoderm Development protein) protein and the histone-binding proteins RbAP46 and RbAP48. PRC2 is responsible for di- and trimethylation of histone 3 at lysine 27 (Histone H3K27me2 and Histone H3K27me3), which leads to transcriptional repression of the target genes. Suz12 is a nuclear protein belonging to the VEFS family. Suz12 contains a zinc-finger binding motif and a VEFS box, which is required for the interaction between Suz12 and EZH2.
Product Categories/Family for anti-Suz12 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	197333809
NCBI GeneID	23512
NCBI Accession #	NP_056170 ; AB_2614929
NCBI GenBank Nucleotide #	NM_015355.2
UniProt Accession #	Q15022 ; Q96BD9
Molecular Weight	Predicted: 81 kDa Observed: 96 kDa
NCBI Official Full Name	polycomb protein SUZ12
NCBI Official Synonym Full Names	SUZ12 polycomb repressive complex 2 subunit
NCBI Official Symbol	SUZ12
NCBI Official Synonym Symbols	CHET9; JJAZ1
NCBI Protein Information	polycomb protein SUZ12; chET 9 protein; joined to JAZF1 protein; suppressor of zeste 12 homolog; suppressor of zeste 12 protein homolog; chromatin precipitated E2F target 9 protein
UniProt Protein Name	Polycomb protein SUZ12
UniProt Gene Name	SUZ12

UniProt Synonym Gene Names	CHET9; JJAZ1; KIAA0160; ChET 9 protein
UniProt Entry Name	SUZ12_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/suz12-antibody-western-blot-immunofluorescence-chromatin-immunoprecipitation-chromatin-immunoprecipitation-elisa/59807>