
SUZ12 Recombinant Rabbit mAb

Catalog Number: bsm-52749R

Target Protein: SUZ12

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 3C1

Isotype: IgG

Applications: WB (1:1000-2000)

Reactivity: Human, Mouse, Rat

Predicted MW: 83 kDa

Entrez Gene: 23512

Swiss Prot: Q15022

Purification: affinity purified by Protein A

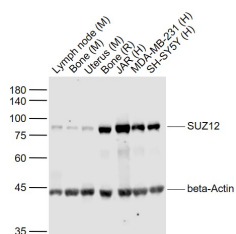
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

Background: UZ12 is a polycomb group (PcG) protein. PcG proteins act by forming multiprotein complexes, which are required to maintain the transcriptionally repressive state of homeotic genes throughout development. PcG proteins are not required to initiate repression, but to maintain it during later stages of development. They probably act via the methylation of histones, rendering chromatin heritably changed in its expressibility. SUZ12 is a component of the PRC2 complex, which methylates Lys-9 and Lys-27 residues of histone H3.

SUZ12 is a component of the PRC2 complex, composed of EED, EZH2, SUZ12/JJAZ1, RBBP4 and RBBP7. This complex is distinct from the PRC1 complex, which contains many other PcG proteins like BMI1, CBX4, CBX8, PHC2, PHC3, SCMH1, RING1 and RNF2. SUZ12 mRNA is upregulated in a number of tumors including breast and colon.

VALIDATION IMAGES



Sample: Lane 1: Lymph node (Mouse) Lysate at 40 ug Lane 2: Bone (Mouse) Lysate at 40 ug Lane 3: Uterus (Mouse) Lysate at 40 ug Lane 4: Bone (Rat) Lysate at 40 ug Lane 5: JAR (Human) Cell Lysate at 30 ug Lane 6: MDA-MB-231 (Human) Cell Lysate at 30 ug Lane 7: SH-SY5Y (Human) Cell Lysate at 30 ug Primary: Anti-SUZ12 (bsm-52749R) at 1/1000 dilution Anti-beta-Actin (bs-0061R) at 1/2000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 80 kD Observed band size: 82 kD