

Store at
-20°C
#62083

Polycomb Group 2 (PRC2) Antibody Sampler Kit



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1 Kit (6 x 20 microliters)

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For Research Use Only. Not for Use in Diagnostic Procedures.

Product Includes	Product #	Quantity	Mol. Wt	Isotype/Source
Ezh2 (D2C9) XP® Rabbit mAb	5246	20 µl	98 kDa	Rabbit IgG
EZH1 (D7D5D) Rabbit mAb	42088	20 µl	95 kDa	Rabbit IgG
SUZ12 (D39F6) XP® Rabbit mAb	3737	20 µl	83 kDa	Rabbit IgG
EED Antibody	51673	20 µl	50-70 kDa	Rabbit
JARID2 (D6M9X) Rabbit mAb	13594	20 µl	150 kDa	Rabbit IgG
AEBP2 (D7C6X) Rabbit mAb	14129	20 µl	70, 28 kDa	Rabbit IgG
Anti-rabbit IgG, HRP-linked Antibody	7074	100 µl		Goat

Please visit cellsignal.com for individual component applications, species cross-reactivity, dilutions, protocols, and additional product information.

Description

The Polycomb Group 2 (PRC2) Antibody Sampler Kit provides an economical means of evaluating total levels of Polycomb Group 2 Proteins. The kit contains enough primary and secondary antibodies to perform two western blot experiments.

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Background

The polycomb group (PcG) proteins are involved in maintaining the silenced state of multiple developmentally regulated genes and contribute to the maintenance of cell identity, cell cycle regulation, and oncogenesis (1-4). Enhancer of zeste homolog 1 (Ezh1) and enhancer of zeste homolog 2 (Ezh2) are members of this large protein family and are subunits of the polycomb repressor complex 2 (PRC2), also known to contain SUZ12, EED, JARID2, and AEBP2. Ezh1 and its paralog Ezh2 are mutually exclusive catalytic subunits of the PRC2 complex, which functions to mono-, di-, and tri-methylate Lys27 on histone H3, all marks that are associated with transcriptional repression. SUZ12 and EED proteins are also absolutely required for methyltransferase activity (5). JARID2 and AEBP2 are both accessory proteins that function to recruit the PRC2 complex to target genes and enhance methyltransferase activity by binding to DNA and histone proteins in nucleosomes (5-13).

Background References

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