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PCGF1 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20960a

Specification

PCGF1 Blocking Peptide (Center) - Product Information

Primary Accession	Q9BSM1
Other Accession	Q8R023, Q2YDF9

PCGF1 Blocking Peptide (Center) - Additional Information

Gene ID 84759

Other Names
Polycomb group RING finger protein 1, Nervous system Polycomb-1, NSPc1, RING finger protein 68, PCGF1, NSPC1, RNF68

Target/Specificity
The synthetic peptide sequence is selected from aa 117-131 of HUMAN PCGF1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PCGF1 Blocking Peptide (Center) - Protein Information

Name PCGF1

Synonyms NSPC1, RNF68

Function
Component of the Polycomb group (PcG) multiprotein BCOR complex, a complex required to maintain the transcriptionally repressive state of some genes, such as BCL6 and the cyclin-dependent kinase inhibitor, CDKN1A. Transcriptional repressor that may be targeted to the DNA by BCL6; this transcription repressor activity may be related to PKC signaling pathway. Represses CDKN1A expression by binding to its promoter, and this repression is dependent on the retinoic acid response element (RARE element). Promotes cell cycle progression and enhances cell proliferation as well. May have a positive role in tumor cell growth by down-regulating CDKN1A. Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in

its expressibility (PubMed:26151332). Within the PRC1-like complex, regulates RNF2 ubiquitin ligase activity (PubMed:26151332). Regulates the expression of DPPA4 and NANOG in the NT2 embryonic carcinoma cells (PubMed:26687479).

Cellular Location
Nucleus

Tissue Location
Ubiquitous..

PCGF1 Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PCGF1 Blocking Peptide (Center) - Images

PCGF1 Blocking Peptide (Center) - Background

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PCGF1 Blocking Peptide (Center) - References

Ding J.B.,et al.Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.
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Nunes M.,et al.Mech. Dev. 102:219-222(2001).
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