10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PCGF4 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10617

Product Information

Application	WB
Primary Accession	P35226
Other Accession	NM_005180, NP_005171
Reactivity	Human, Mouse, Rat, Pig, Dog, Bovine, Yeast
Predicted	Human, Mouse, Rat, Chicken, Dog, Bovine, Cat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36949

Additional Information

Gene ID	100532731;648
Alias Symbol	PCGF4, RNF51, FLVI2/BMI1
Other Names	Polycomb complex protein BMI-1, Polycomb group RING finger protein 4, RING finger protein 51, BMI1, PCGF4, RNF51
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-PCGF4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PCGF4 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BMI1
Synonyms	PCGF4, RNF51
Function	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:15386022, PubMed:16359901, PubMed:16714294, PubMed:21772249, PubMed:25355358, PubMed:26151332, PubMed:27827373). The complex composed of RNF2,

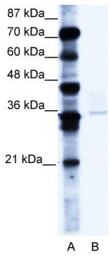
UB2D3 and BMI1 binds nucleosomes, and has activity only with nucleosomal histone H2A (PubMed:21772249, PubMed:25355358). In the PRC1-like complex, regulates the E3 ubiquitin-protein ligase activity of RNF2/RING2 (PubMed:15386022, PubMed:21772249, PubMed:26151332).

Cellular Location Nucleus. Cytoplasm

References

Guney,I., et al., (2006) Proc. Natl. Acad. Sci. U.S.A. 103 (10), 3645-3650Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-PCGF4 Antibody Titration: .2-1 ug/ml
ELISA Titer: 1:3125
Positive Control: A172 cell lysate

BMI1 is supported by BioGPS gene expression data to be expressed in A172

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.