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

# PCGF6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18850c

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q9BYE7 |
| **Other Accession** | Q5XI70, Q99NA9, NP_001011663.1 |
| **Reactivity** | Human, Rat, Mouse |
| **Predicted** | Mouse, Rat, Bovine, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Calculated MW** | 39047 |
| **Antigen Region** | 190-217 |

## Additional Information

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| **Gene ID** | 84108 |
| **Other Names** | Polycomb group RING finger protein 6, Mel18 and Bmi1-like RING finger, RING finger protein 134, PCGF6, MBLR, RNF134 |
| **Target/Specificity** | This PCGF6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 190-217 amino acids from the Central region of human PCGF6. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | PCGF6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | PCGF6 |
| **Synonyms** | MBLR, RNF134 |
| **Function** | Transcriptional repressor (PubMed: 12167161). May modulate the levels of |

histone H3K4Me3 by activating KDM5D histone demethylase (PubMed:17320162). 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:12167161). Within the PRC1-like complex, regulates RNF2 ubiquitin ligase activity (PubMed:26151332).

**Cellular Location** Nucleus

**Tissue Location** Ubiquitous.

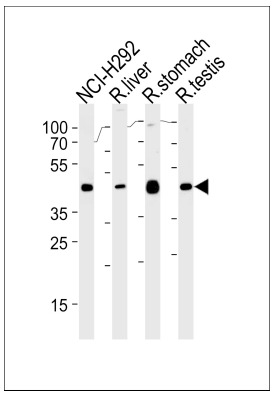
## Background

The protein encoded by this gene contains a RING finger motif, which is most closely related to those of polycomb group (PcG) proteins RNF110/MEL-18 and BMI1. PcG proteins are known to form protein complexes and function as transcription repressors. This protein has been shown to interact with some PcG proteins and act as a transcription repressor. The activity of this protein is found to be regulated by cell cycle dependent phosphorylation. Alternatively spliced transcript variants encoding different isoforms have been identified.

## References


Lee, J.Y., et al. Cancer Res. 68(11):4201-4209(2008)
Zhang, J., et al. J. Biol. Chem. 283(12):7464-7469(2008)
Lee, M.G., et al. Cell 128(5):877-887(2007)
Zhong, N., et al. Biochem. Biophys. Res. Commun. 338(2):855-861(2005)
Deloukas, P., et al. Nature 429(6990):375-381(2004)


## Images




PCGF6 Antibody (Center) (Cat. #AP18850c) western blot analysis in NCI-H292,rat liver,stomach and testis cell line lysates (35ug/lane).This demonstrates the PCGF6 antibody detected the PCGF6 protein (arrow).


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