

**PCGF6 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18850c**

**Specification**

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**PCGF6 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9BYE7</a>
Other Accession	<a href="#">O5XI70</a> , <a href="#">O99NA9</a> , <a href="#">NP_001011663.1</a>
Reactivity	Human, Rat
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39047
Antigen Region	190-217

**PCGF6 Antibody (Center) - Additional Information**

**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

**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.

**PCGF6 Antibody (Center) - Protein Information**

**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

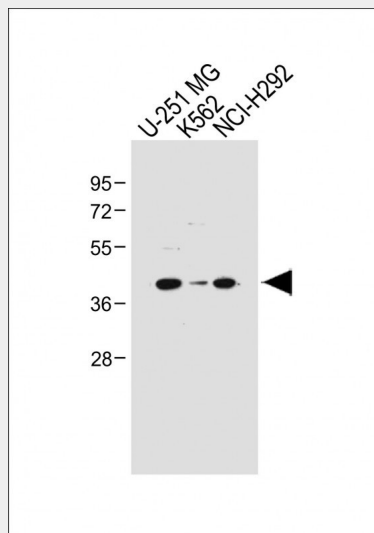
**Tissue Location**

Ubiquitous.

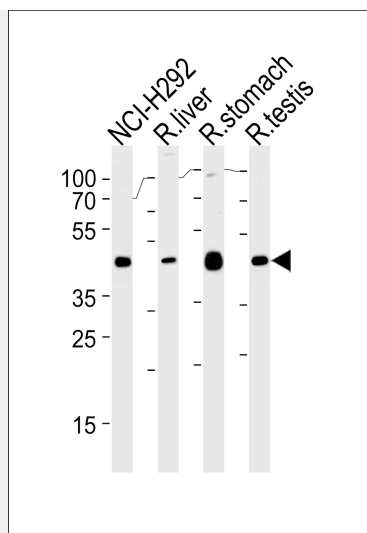
**PCGF6 Antibody (Center) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PCGF6 Antibody (Center) - Images**

All lanes : Anti-PCGF6 Antibody (Center) at 1:1000 dilution Lane 1: U-251 MG whole cell lysate Lane 2: K562 whole cell lysate Lane 3: NCI-H292 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



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).

#### **PCGF6 Antibody (Center) - 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.

#### **PCGF6 Antibody (Center) - 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)