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PCGF6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18850c

Specification

PCGF6 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9BYE7
Other Accession	Q5XI70, Q99NA9, NP_001011663.1
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
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.

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

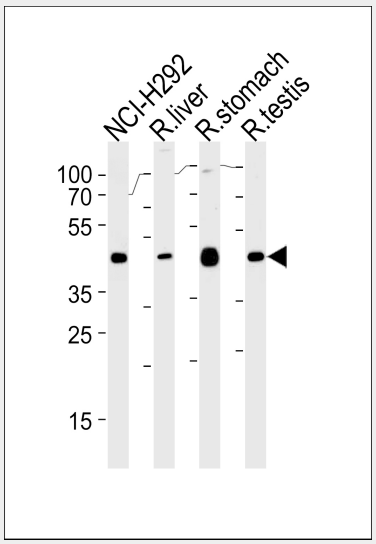
Tissue Location
Ubiquitous.

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 Cytomety
- Cell Culture

PCGF6 Antibody (Center) - 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).

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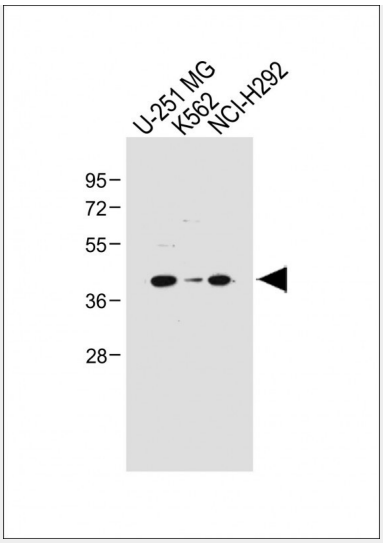

All lanes : Anti-PCGF6 Antibody (Center) at 1:1000 dilution Lane 1: U-251 MG whole cell lysate Lane 2: K562 whole cell lysate Lane 3: NCI-H292 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size :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

PCGF6 Antibody (Center) - 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)
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Zhong, N., et al. Biochem. Biophys. Res. Commun. 338(2):855-861(2005)
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