

# PCGF6 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21285c

## Product Information

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Application	WB, E
Primary Accession	<a href="#">Q9BYE7</a>
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB51295
Calculated MW	39047

## 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 a rabbit immunized with a KLH conjugated synthetic peptide between 215-249 amino acids from the Central region of human PCGF6.
Dilution	WB~~1:2000 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: <a href="#">12167161</a> ). May modulate the levels of histone H3K4Me3 by activating KDM5D histone demethylase (PubMed: <a href="#">17320162</a> ). 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](#)).

<b>Cellular Location</b>	Nucleus
<b>Tissue Location</b>	Ubiquitous.

## Background

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Transcriptional repressor. May modulate the levels of histone H3K4Me3 by activating KDM5D histone demethylase. 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.

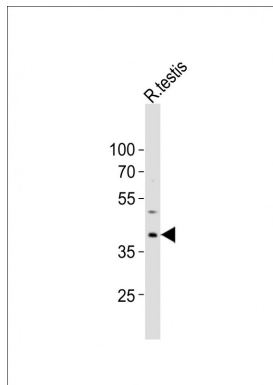
## References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Deloukas P.,et al.Nature 429:375-381(2004).  
Lee M.G.,et al.Cell 128:877-887(2007).  
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## Images

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Anti-PCGF6 Antibody (Center)at 1:2000 dilution + rat testis lysates 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.

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