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PCGF6 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20945c

Product Information

Application	WB, IF, E
Primary Accession	Q9BYE7
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51296
Calculated MW	39047

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 a rabbit immunized with a KLH conjugated synthetic peptide between 261-295 amino acids from the C-terminal region of human PCGF6.
Dilution	WB~~1:1000 IF~~1:25 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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

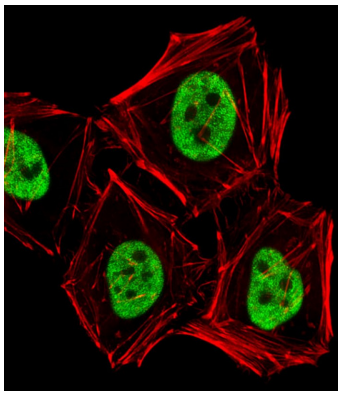
Background

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.

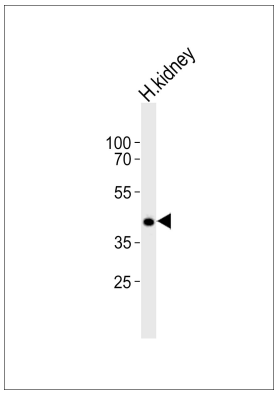
References

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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).
Maertens G.N.,et al.PLoS ONE 4:E6380-E6380(2009).

Images



Fluorescent image of Hela cells stained with PCGF6 Antibody (C-term)(Cat#AP20945c). AP20945c was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



Western blot analysis of lysate from human kidney tissue, using PCGF6 Antibody (C-term)(Cat. #AP20945c). AP20945c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

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