

For Research Use Only

# PCGF6 Polyclonal antibody

Catalog Number: 24103-1-AP

Featured Product

11 Publications



## Basic Information

**Catalog Number:**

24103-1-AP

**Concentration:**

500 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG21124

**GenBank Accession Number:**

BC010235

**GeneID (NCBI):**

84108

**UNIPROT ID:**

Q9BYE7

**Full Name:**

polycomb group ring finger 6

**Calculated MW:**

352 aa, 39 kDa

**Observed MW:**

40-50 kDa

**Purification Method:**

Antigen Affinity purified

**Recommended Dilutions:**

WB 1:1000-1:4800

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:150-1:600

## Applications

**Tested Applications:**

WB, IHC, FC (Intra), IP, ELISA

**Cited Applications:**

WB, IP, CoIP, ChIP

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : HEK-293 cells, HEK-293T cells, PC-13 cells, mouse liver tissue

IP : HEK-293T cells,

IHC : mouse testis tissue,

## Background Information

PCGF6, also named as MBLR or RNF134, is a 350 amino acid protein, which contains one RING-type zinc finger. PCGF6 localizes in the nucleus and is widely expressed in many tissues. PCGF6 as a transcriptional repressor may modulate the levels of histone H3K4Me3 by activating KDM5D histone demethylase.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jack-Christophe Cossec	30401455	Cell Stem Cell	
Jiatian Lin	35813477	Int J Biol Sci	WB
Bastian Stielow	33980486	Sci Adv	

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

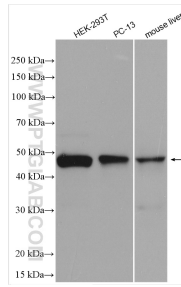
T: 4006900926

E: Proteintech-CN@ptglab.com

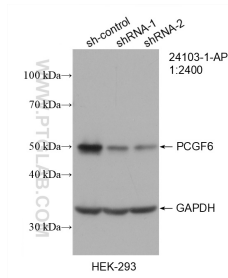
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

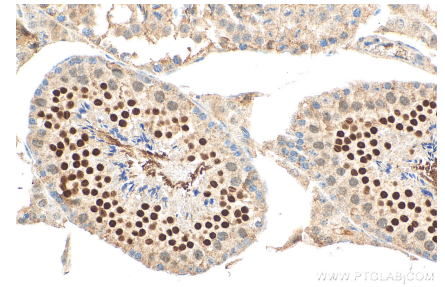
## Selected Validation Data



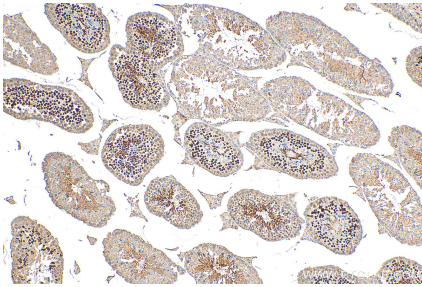
Various lysates were subjected to SDS PAGE followed by western blot with 24103-1-AP (PCGF6 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



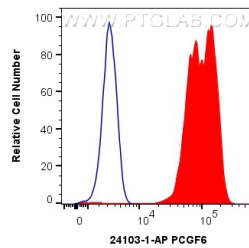
WB result of PCGF6 antibody (24103-1-AP; 1:2400; incubated at room temperature for 1.5 hours) with sh-Control and sh-PCGF6 transfected HEK-293 cells.



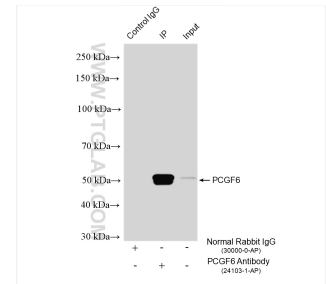
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 24103-1-AP (PCGF6 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 24103-1-AP (PCGF6 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



$1 \times 10^6$  HEK-293T cells were intracellularly stained with 0.4 ug Anti-Human PCGF6 (24103-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



IP result of anti-PCGF6 (IP:24103-1-AP, 4ug; Detection:24103-1-AP 1:1500) with HEK-293T cells lysate 2200 ug.