

**PCGF3 antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10644****Specification****PCGF3 antibody - middle region - Product Information**

Application	WB
Primary Accession	<a href="#">O3KNV8</a>
Other Accession	<a href="#">NM_006315</a> , <a href="#">NP_006306</a>
Reactivity	Human, Mouse, Rat, Pig, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rat, Chicken, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 28kDa KDa

**PCGF3 antibody - middle region - Additional Information****Gene ID** 10336**Alias Symbol** **RNF3, DONG1, RNF3A**  
**Other Names**  
Polycomb group RING finger protein 3, RING finger protein 3A, PCGF3, RNF3, RNF3A**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-PCGF3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

PCGF3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**PCGF3 antibody - middle region - Protein Information****Name** PCGF3**Synonyms** RNF3, RNF3A**Function**

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. Within the PRC1-like complex, regulates RNF2 ubiquitin ligase activity (PubMed:<a href="http://www.uniprot.org/citations/26151332" target="\_blank">26151332</a>).

Plays a redundant role with PCGF5 as part of a PRC1- like complex that mediates monoubiquitination of histone H2A 'Lys-119' on the X chromosome and is required for normal silencing of one copy of the X chromosome in XX females (By similarity).

**Cellular Location**

Nucleus. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:Q8BTQ0}. Note=Recruited by the non-coding RNA Xist to specific nuclear foci that probably correspond to the inactivated X chromosome. {ECO:0000250|UniProtKB:Q8BTQ0}

**PCGF3 antibody - middle region - 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](#)

