

**Goat Anti-RNF3 (247 aa isoform) Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1935a

**Specification**

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**Goat Anti-RNF3 (247 aa isoform) Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">O3KNV8</a>
Other Accession	<a href="#">NP_006306</a> , <a href="#">10336</a> , <a href="#">69587 (mouse)</a>
Reactivity	Human
Predicted	Mouse, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	28115

**Goat Anti-RNF3 (247 aa isoform) Antibody - Additional Information**

**Gene ID** 10336

**Other Names**

Polycomb group RING finger protein 3, RING finger protein 3A, PCGF3, RNF3, RNF3A

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-RNF3 (247 aa isoform) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-RNF3 (247 aa isoform) Antibody - 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}

#### Goat Anti-RNF3 (247 aa isoform) Antibody - 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](#)

#### Goat Anti-RNF3 (247 aa isoform) Antibody - Images



AF1935a staining (1 µg/ml) of Human Heart lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

#### Goat Anti-RNF3 (247 aa isoform) Antibody - Background

The protein encoded by this gene contains a C3HC4 type RING finger, which is a motif known to be involved in protein-protein interactions. The specific function of this protein has not yet been

determined.

### **Goat Anti-RNF3 (247 aa isoform) Antibody - References**

Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. *Genome Res*, 2006 Jan. PMID 16344560.

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. *Genome Res*, 2004 Oct. PMID 15489334.

Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. *Nat Genet*, 2004 Jan. PMID 14702039.

Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. *Proc Natl Acad Sci U S A*, 2002 Dec 24. PMID 12477932.

Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Suzuki Y, et al. *Gene*, 1997 Oct 24. PMID 9373149.