

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

Specification

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

Application	WB
Primary Accession	Q3KNV8
Other Accession	NP_006306 , 10336 , 69587 (mouse)
Reactivity	Human
Predicted	Mouse, Dog, Cow
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

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:26151332). 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.