

Catalog # AF1935a

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

Specification

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

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Concentration Isotype Calculated MW WB <u>O3KNV8</u> <u>NP_006306</u>, <u>10336</u>, <u>69587 (mouse)</u> Human Mouse, Dog, Cow Goat Polyclonal 100ug/200ul IgG 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

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

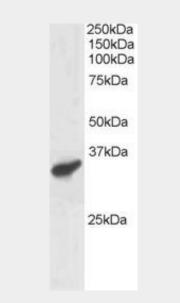
Nucleus. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:Q8BTQ0}. Note=Recruited by the noncoding RNA Xist to specific nuclear foci that probably correspond to the inactivated X chromosome. {ECO:0000250|UniProtKB:Q8BTQ0}

Goat Anti-RNF3 (247 aa isoform) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

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



AF1935a staining (1 μ g/ml) of Human Heart lysate (RIPA buffer, 30 μ g 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.

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