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TRIM71 (aa409-419) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3148a

Specification

TRIM71 (aa409-419) Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	Q2Q1W2
Other Accession	NP_001034200.1, 131405, 636331 (mouse), 301042 (rat)
Reactivity	**Mouse**
Predicted	**Human, Rat, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**93385**

TRIM71 (aa409-419) Antibody (internal region) - Additional Information

Gene ID 131405

Other Names
E3 ubiquitin-protein ligase TRIM71, 6.3.2.-, Protein lin-41 homolog, Tripartite motif-containing protein 71, TRIM71, LIN41

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 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
TRIM71 (aa409-419) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

TRIM71 (aa409-419) Antibody (internal region) - Protein Information

Name TRIM71 (HGNC:32669)

Synonyms LIN41

Function
E3 ubiquitin-protein ligase that cooperates with the microRNAs (miRNAs) machinery and promotes embryonic stem cells proliferation and maintenance (Probable). Binds to miRNAs and associates with AGO2, participating in post-transcriptional repression of transcripts such as CDKN1A (By

similarity). In addition, participates in post-transcriptional mRNA repression in a miRNA independent mechanism (PubMed:23125361). Facilitates the G1-S transition to promote rapid embryonic stem cell self-renewal by repressing CDKN1A expression. Required to maintain proliferation and prevent premature differentiation of neural progenitor cells during early neural development: positively regulates FGF signaling by controlling the stability of SHCBP1 (By similarity). Specific regulator of miRNA biogenesis. Binds to miRNA MIR29A hairpin and postranscriptionally modulates MIR29A levels, which indirectly regulates TET proteins expression (PubMed:28431233).

Cellular Location
Cytoplasm, P-body

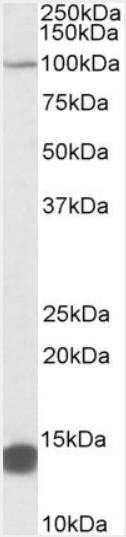
Tissue Location
Specifically expressed in testis.

TRIM71 (aa409-419) Antibody (internal 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 Cytomety
- Cell Culture

TRIM71 (aa409-419) Antibody (internal region) - Images



AF3148a (0.5 µg/ml) staining of NIH3T3 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

TRIM71 (aa409-419) Antibody (internal region) - References

Human TRIM71 and its nematode homologue are targets of let-7 microRNA and its zebrafish

orthologue is essential for development. Lin YC, Hsieh LC, Kuo MW, Yu J, Kuo HH, Lo WL, Lin RJ, Yu AL, Li WH, Molecular biology and evolution 2007 Nov 24 (11): 2525-34. PMID: 17890240