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LIN41 / TRIM71 Antibody (Internal)

Goat Polyclonal Antibody
Catalog # ALS13922

Specification

LIN41 / TRIM71 Antibody (Internal) - Product Information

Application	**WB, IHC**
Primary Accession	Q2Q1W2
Reactivity	**Human, Rat, Rabbit, Zebrafish, Monkey, Chicken, Horse, Bovine, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**93kDa KDa**

LIN41 / TRIM71 Antibody (Internal) - 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

Target/Specificity
Human TRIM71.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
LIN41 / TRIM71 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

LIN41 / TRIM71 Antibody (Internal) - 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.

LIN41 / TRIM71 Antibody (Internal) - Protocols

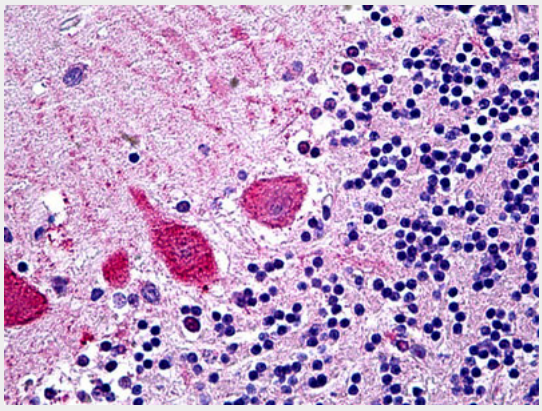
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LIN41 / TRIM71 Antibody (Internal) - Images



TRIM71 antibody (0.5 ug/ml) staining of HEK293 lysate (35 ug protein/ml in RIPA buffer).



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Anti-TRIM71 antibody IHC of human brain cerebellum.

LIN41 / TRIM71 Antibody (Internal) - Background

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

LIN41 / TRIM71 Antibody (Internal) - References

Lerner M.,et al.Submitted (OCT-2005) to the EMBL/GenBank/DDBJ databases.
Lancman J.J.,et al.Dev. Dyn. 234:948-960(2005).
Maller Schulman B.R.,et al.Dev. Dyn. 234:1046-1054(2005).
Lee Y.S.,et al.J. Biol. Chem. 280:16635-16641(2005).
Lin Y.C.,et al.Mol. Biol. Evol. 24:2525-2534(2007).