

LULL1/TOR1AIP2 Rabbit pAb

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Catalog # AP56658

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8NFQ8
Reactivity	Rat, Human, Mouse
Predicted	Pig, Dog, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51263
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LULL1
Epitope Specificity	221-320/470
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Endoplasmic reticulum membrane; Single-pass membrane protein. Nucleus membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	LULL1 is a 470 amino acid endoplasmic reticulum single-pass membrane protein belonging to the TOR1AIP family. LULL1 interacts with torsinA, an essential AAA+ ATPase found in the endoplasmic reticulum (ER) and nuclear envelope (NE) of higher eukaryotes. LULL1 regulates the distribution and activity of torsinA within the ER and NE lumen and reveals functional defects in mutant torsinA, which is responsible for DYT1 dystonia, a neurodevelopmental disease caused by an in-frame deletion (Deltagag) in the gene encoding torsinA. The gene encoding LULL1 maps to human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome.

Additional Information

Gene ID	163590
Other Names	Torsin-1A-interacting protein 2, Luminal domain-like LAP1, TOR1AIP2, IFRG15, LULL1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

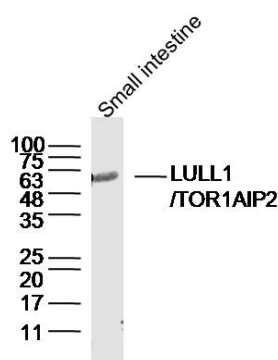
Protein Information

Name	TOR1AIP2
Synonyms	IFRG15, LULL1
Function	Required for endoplasmic reticulum integrity. Regulates the distribution of TOR1A between the endoplasmic reticulum and the nuclear envelope as well as induces TOR1A, TOR1B and TOR3A ATPase activity.
Cellular Location	Endoplasmic reticulum membrane; Single-pass membrane protein. Nucleus membrane

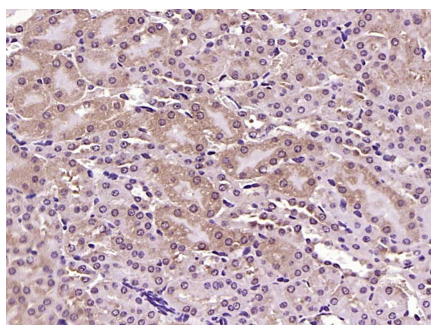
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Images



Sample: Small intestine (Mouse) Lysate at 40 ug
Primary: Anti-LULL1/TOR1AIP2(AP56658) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 51kD
Observed band size: 56kD



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LULL1) Polyclonal Antibody, Unconjugated (AP56658) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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