

Rabbit anti-Human LYAR Polyclonal Antibody | anti-LYAR antibody

LYAR Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324586	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

LYAR; Polyclonal Antibody; LYAR Antibody; Cell growth regulating nucleolar protein; Cell growth-regulating nucleolar protein; Likely ortholog of mouse Ly1 antibody reactive clone; Ly1 antibody reactive; Ly1 antibody reactive homolog (mouse); Ly1 antibody reactive homolog; LYAR_HUMAN; ZC2HC2; ZLYAR; anti-LYAR antibody

PRODUCT SPECIFICATIONS

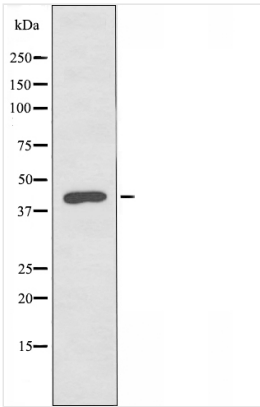
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	LYAR antibody detects endogenous levels of total LYAR
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	379
Applicable Applications for anti-LYAR antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus > Nucleolus.
Tissue Specificity	Predominantly expressed in testis.
Predicted Cross Reactivity	Sheep
Similarity	Sheep (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324586 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from LOVO cells using LYAR antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-LYAR antibody

Function: Plays a role in the maintenance of the appropriate processing of 47S/45S pre-rRNA to 32S/30S pre-rRNAs and their subsequent processing to produce 18S and 28S rRNAs (PubMed:24495227). Also acts at the level of transcription regulation. Along with PRMT5, binds the gamma-globin (HBG1/HBG2) promoter and represses its expression (PubMed:25092918). In neuroblastoma cells, may also repress the expression of oxidative stress genes, including CHAC1, HMOX1, SLC7A11, ULBP1 and SNORD41 that encodes a small nucleolar RNA (PubMed:28686580). Preferentially binds to a DNA motif containing 5'-GGTTAT-3' (PubMed:25092918). Stimulates phagocytosis of photoreceptor outer segments by retinal pigment epithelial cells (By similarity). Prevents nucleolin/NCL self-cleavage, maintaining a normal steady-state level of NCL protein in undifferentiated embryonic stem cells (ESCs), which in turn is essential for ESC self-renewal (By similarity).
Subunit Structure: Interacts with PRMT5; this interaction is direct (PubMed:25092918). Interacts with GNL2 and RPL23A (PubMed:26203195). Interacts with nucleolin/NCL; this interaction is direct (By similarity).
Similarity: The N-terminal zinc-finger domains are required for the appropriate production of 28S rRNA and the formation of pre-60S particles.

NCBI AND UNIPROT INFORMATION

NCBI GI #	224591430
NCBI GeneID	55646
NCBI Accession #	NP_001139197.1
NCBI GenBank Nucleotide #	NM_001145725.1
UniProt Accession #	Q9NX58; Q6FI78; Q9NYS1; D3DVS4
Molecular Weight	Observed: 44 kD Predicted: 44 kDa
NCBI Official Full Name	cell growth-regulating nucleolar protein
NCBI Official Synonym Full Names	Ly1 antibody reactive
NCBI Official Symbol	LYAR
NCBI Official Synonym Symbols	ZLYAR; ZC2HC2
NCBI Protein Information	cell growth-regulating nucleolar protein
UniProt Protein Name	Cell growth-regulating nucleolar protein
UniProt Gene Name	LYAR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/lyar-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324586>