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Datasheet for ABIN7268311  
**anti-LYAR antibody (AA 10-160)**

5 Images

Overview

Quantity:	100 µL
Target:	LYAR
Binding Specificity:	AA 10-160
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LYAR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	LYAR Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 10-160 of human LYAR (NP_060286.1).
Sequence:	GESVKKIQVE KHVSVCRNCE CLSCIDCGKD FWGDDYKNHV KCISEDQKYG GKG YEGKTHK GDIKQQAWIQ KISELIKRPN VSPKVRELLE QISAFDNVPR KKAKFQNWMMK NSLKVHNESI LDQVWNIFSE ASNSEPVNKE QDQRPLHPVA N
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	LYAR
Alternative Name:	LYAR ( <a href="#">LYAR Products</a> )
Target Type:	Antibody
Background:	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. Also acts at the level of transcription regulation. Along with PRMT5, binds the gamma-globin (HBG1/HBG2) promoter and represses its expression. 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. Preferentially binds to a DNA motif containing 5'-GGTTAT-3'. Negatively regulates the antiviral innate immune response by targeting IRF3 and impairing its DNA-binding activity. In addition, inhibits NF-kappa-B-mediated expression of proinflammatory cytokines. 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.,LYAR,ZC2HC2,ZLYAR,Epigenetics & Nuclear Signaling,RNA Binding,Cell Biology & Developmental Biology,LYAR
Molecular Weight:	43kDa
Gene ID:	55646
UniProt:	<a href="#">Q9NX58</a>

## Application Details

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Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

## Handling

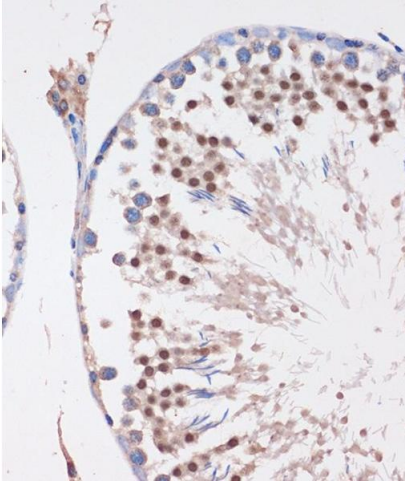
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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

## Handling

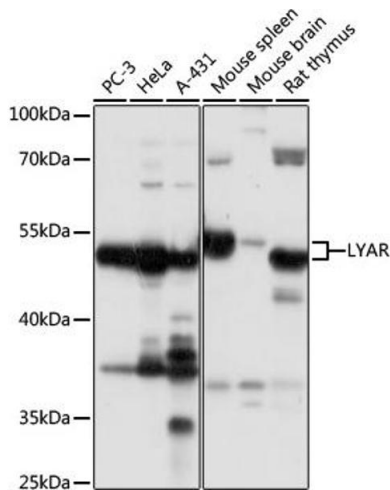
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



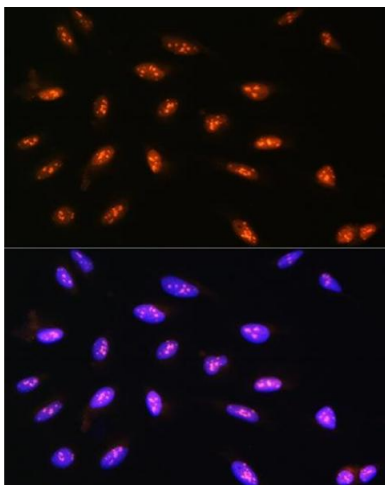
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded Rat testis using LYAR Rabbit pAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using LYAR antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of U2OS cells using LYAR Rabbit pAb at dilution of 1:100. Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7268311.