

## LYAR Polyclonal Antibody

**catalog number: E-AB-91888**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

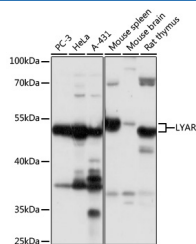
### Description

|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human;Mouse;Rat  |
| <b>Immunogen</b>    | Recombinant fusion protein of human LYAR   |
| <b>Host</b>         | Rabbit   |
| <b>Isotype</b>      | IgG  |
| <b>Purification</b> | Affinity purification  |
| <b>Buffer</b>       | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

### Applications

| Applications | Recommended Dilution |
|--------------|----------------------|
| <b>WB</b>    | 1:500-1:2000         |
| <b>IHC</b>   | 1:50-1:200           |
| <b>IF</b>    | 1:50-1:200           |

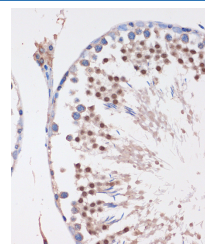
### Data



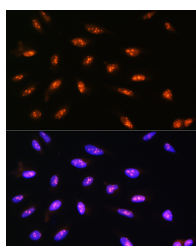
Western blot analysis of extracts of various cell lines using LYAR Polyclonal Antibody at 1:1000 dilution.

**Observed-MW:44 kDa**

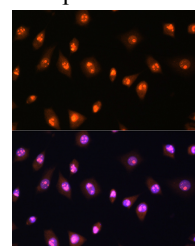
**Calculated-MW:43 kDa**



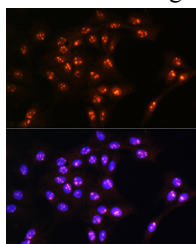
Immunohistochemistry of paraffin-embedded Rat testis using LYAR Polyclonal Antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of U2OS cells using LYAR Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using LYAR Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



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Immunofluorescence analysis of C6 cells using LYAR  
Polyclonal Antibody at dilution of 1:100. Blue: DAPI for  
nuclear staining.

## Preparation & Storage

**Storage**

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping**

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

## 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.

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