

## Rabbit anti-Human RALY Polyclonal Antibody | anti-RALY antibody

Anti-RALY Antibody, Rabbit Polyclonal

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                            |
|-----------|--------|------------|---------------------------------------------------------|
| AAA259525 | Rabbit | Human      | Immunocytochemistry, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

RALY; Polyclonal Antibody; Anti-RALY Antibody; Rabbit Polyclonal; RALY Antibody; Rabbit PAb; Antigen Affinity Purified; RALY heterogeneous nuclear ribonucleoprotein; Anti-HNRPCL2 Antibody; Anti-P542 Antibody; anti-RALY antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity                                    | Human RALY                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity/Purification                            | Protein A & Antigen Affinity                                                                                                                                                                                                                                                                                                                                                                                           |
| Form/Format                                    | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for anti-RALY antibody | ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                               |
| Immunogen                                      | E coli-derived Human RALY fragment                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation                                    | Produced in rabbits immunized with E coli-derived Human RALY fragment, and purified by antigen affinity chromatography.                                                                                                                                                                                                                                                                                                |
| Preparation and Storage                        | <p>This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.</p> <p>This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.</p> |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence staining of RALY in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human RALY polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.



#### IHC (Immunohistochemistry)

Immunochemical staining of human RALY in human kidney with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



#### IHC (Immunohistochemistry)

Immunochemical staining of human RALY in human brain with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



#### IHC (Immunohistochemistry)

Immunochemical staining of human RALY in human testis with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



#### WB (Western Blot)

Anti-RALY rabbit polyclonal antibody at 1:500 dilution  
Lane A: HeLa Whole Cell Lysate  
Lane B: HepG2 Whole Cell Lysate  
Lysates/proteins at 30ug per lane.  
Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.  
Developed using the ECL technique. Performed under reducing conditions.  
Predicted band size: 32 kDa  
Observed band size: 37 kDa

## ADDITIONAL INFORMATION

### Related Product Information for anti-RALY antibody

RALY is a member of the heterogeneous nuclear ribonucleoprotein (hnRNP), an RNA-binding protein that plays a role in mRNA splicing and metabolism, may be involved in tumorigenesis and development. RALY is a poly-U binding protein and a regulator of H1FX and ANXA1 in mammalian cells. The hnRNP family binds poly-U-rich elements within several RNAs and regulates the expression of specific transcripts. RALY is up-regulated in different types of cancer, and its down-regulation impairs cell cycle progression. Some studies have shown that RALY plays a role in promoting cancer in a variety of tumors. Targeting RALY could be a promising molecular target for non-small cell lung cancer (NSCLC) treatment. RALY plays a critical role in promoting invasiveness and is associated with poor prognosis in different types of cancers.

### References

Tenze, S. e. al. (2013). Proteome-wide characterization of the RNA-binding protein RALY-interactome using the in vivo biotinylation-pulldown-quantitative proteomics approach. *Proteomics*. 13 (6), 2869-2884.  
Son, G. e. al. (2020). RALY promotes aggressive biological behavior and poor prognosis in non-small-cell lung cancer. *Exp. Cell Res.* 388 (2), 111884.  
Ross, A. e. al. (2017). Identification and dynamic change of RNA isolated from RALY-containing ribonucleoprotein complexes. *Nucleic Acids Res.* 45 (11), 6775-6792.  
Cornell, N. e. al. (2017). The hnRNP RALY regulates transcription and cell proliferation by modulating the expression of specific factors including the proliferation marker e2f1. *Biochem. J.* 474 (48), 19674-19692.

**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.

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