
Product Name: KD-Validated RALY Mouse Oligoclonal Antibody**Catalog #: KVA00374**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC,IHC-P
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG
Clonality	Mouse oligoclonal antibody
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 32.5kDa

Antigen Information

Gene Name	RALY RALY; RALY Heterogeneous Nuclear Ribonucleoprotein; HNRPCL2; P542; RNA-Binding Protein (Autoantigenic, HnRNP-Associated With Lethal Yellow); HnRNP Associated With Lethal Yellow Protein Homolog; Heterogeneous Nuclear Ribonucleoprotein C-Like 2; HnRNP
Alternative Names	Core Protein C-Like 2; RNA-Binding Protein Raly; Autoantigen P542; RNA Binding Protein, Autoantigenic (HnRNP-Associated With Lethal Yellow Homolog (Mouse)); RNA Binding Protein, Autoantigenic (HnRNP-Associated With Lethal Yellow Homolog); RNA-Binding Protein (Autoantigenic)
Gene ID	22913.0
SwissProt ID	Q9UKM9
Immunogen	Recombinant protein of human RALY

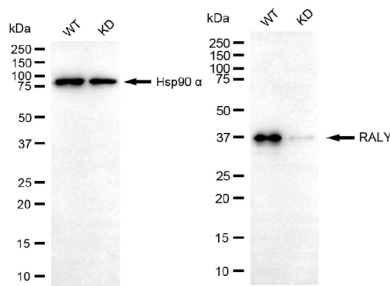
Background

This gene encodes a member of the heterogeneous nuclear ribonucleoprotein (hnRNP) gene family. This protein may play a role in pre-mRNA splicing and in embryonic development. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]

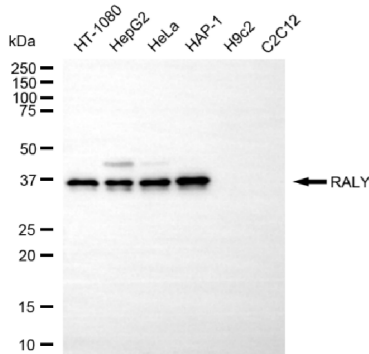
Research Area

Epigenetics and Nuclear Signaling

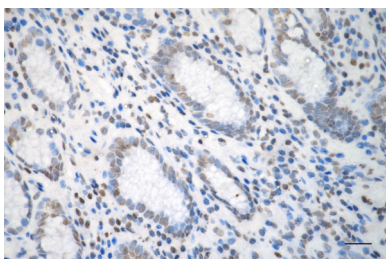
Image Data



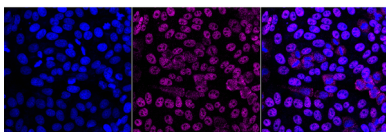
Western blotting analysis using RALY antibody (KVA00374). RALY expression in wild-type (WT) and RALY knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with RALY antibody (KVA00374, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



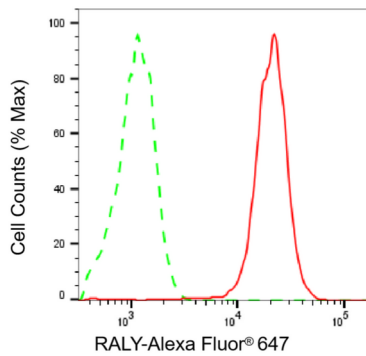
Western blotting analysis using RALY antibody (KVA00374). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RALY antibody (KVA00374, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human gastric carcinoma using RALY antibody (KVA00374, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HepG2 cells with RALY antibody (KVA00374, 1:1,000). Nuclei were stained blue with DAPI; RALY was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of RALY expression in HepG2 cells using RALY antibody (KVA00374, 1:2,000). Green, isotype control; red, RALY.