

KD-Validated Anti-RALY Mouse Oligoclonal Antibody Mouse oligoclonal antibody Catalog # AGI2224

Specification

KD-Validated Anti-RALY Mouse Oligoclonal Antibody - Product Information

Application Primary Accession Reactivity Clonality Isotype Calculated MW Gene Name Aliases	WB, FC, ICC <u>O9UKM9</u> Human Oligoclonal Mouse IgG Predicted, 32 kDa; observed, 37 kDa KDa 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 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)
Immunogen	Recombinant protein of human RALY

KD-Validated Anti-RALY Mouse Oligoclonal Antibody - Additional Information

Gene ID Other Names 22913

RNA-binding protein Raly, Autoantigen p542, Heterogeneous nuclear ribonucleoprotein C-like 2, hnRNP core protein C-like 2, hnRNP associated with lethal yellow protein homolog, RALY, HNRPCL2, P542

KD-Validated Anti-RALY Mouse Oligoclonal Antibody - Protein Information

Name RALY

Synonyms HNRPCL2, P542

Function

RNA-binding protein that acts as a transcriptional cofactor for cholesterol biosynthetic genes in the liver. Binds the lipid- responsive non-coding RNA LeXis and is required for LeXis-mediated effect on cholesterogenesis (By similarity). May be a heterogeneous nuclear ribonucleoprotein (hnRNP)



(PubMed:9376072).

Cellular Location Nucleus {ECO:0000250|UniProtKB:Q64012}.

Tissue Location

Expressed in heart, brain, lung, liver, skeletal muscle, kidney and pancreas. Weakly expressed in placenta

KD-Validated Anti-RALY Mouse Oligoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- <u>Dot Blot</u>
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-RALY Mouse Oligoclonal Antibody - Images



Western blotting analysis using anti-RALY antibody (Cat#AGI2224). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-RALY antibody (Cat#AGI2224, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.





Western blotting analysis using anti-RALY antibody (Cat#AGI2224). RALY expression in wild-type (WT) and RALY knockdown (KD) HT-1080 cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-RALY antibody (Cat#AGI2224, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Flow cytometric analysis of RALY expression in HepG2 cells using anti-RALY antibody (Cat#AGI2224, 1:2,000). Green, isotype control; red, RALY.



Immunocytochemical staining of HepG2 cells with anti-RALY antibody (Cat#AGI2224, 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.