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KD-Validated Anti-CRYZL1 Mouse Monoclonal Antibody

Mouse monoclonal antibody
Catalog # AGI2012

Specification

KD-Validated Anti-CRYZL1 Mouse Monoclonal Antibody - Product Information

Application	**WB**
Primary Accession	O95825
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**Mouse IgG2b**
Calculated MW	**Predicted, 39 kDa, observed, 42 kDa KDa**
Gene Name	**CRYZL1**
Aliases	**CRYZL1; Crystallin Zeta Like 1; QOH-1; 4P11; FERRY4; Fy-4; Crystallin, Zeta (Quinone Reductase)-Like 1; Quinone Oxidoreductase-Like Protein 1; Quinone Oxidoreductase Homolog 1; Quinone Reductase-Like 1; Zeta-Crystallin Homolog; Protein 4P11; Ferry Endosomal RAB5 Effector Complex Subunit 4; EC 1.-.-.-**
Immunogen	**Recombinant protein of human CRYZL1**

KD-Validated Anti-CRYZL1 Mouse Monoclonal Antibody - Additional Information

Gene ID	**9946**

Other Names
Quinone oxidoreductase-like protein 1, 1.-.-.-, Ferry endosomal RAB5 effector complex subunit 4, Fy-4, Protein 4P11, Quinone oxidoreductase homolog 1, QOH-1, Zeta-crystallin homolog, CRYZL1, 4P11, FERRY4 {ECO:0000303|PubMed:37267905}

KD-Validated Anti-CRYZL1 Mouse Monoclonal Antibody - Protein Information

Name CRYZL1

Synonyms 4P11, FERRY4 {ECO:0000303|PubMed:3726790

Function
Component of the FERRY complex (Five-subunit Endosomal Rab5 and RNA/ribosome intermediary) (PubMed:37267905, PubMed:37267906). The FERRY complex directly interacts with mRNAs and RAB5A, and functions as a RAB5A effector involved in the localization and the distribution of specific mRNAs most likely by mediating their endosomal transport. The complex recruits mRNAs and ribosomes to early endosomes through direct mRNA-interaction (PubMed:37267905).

Cellular Location

Early endosome.

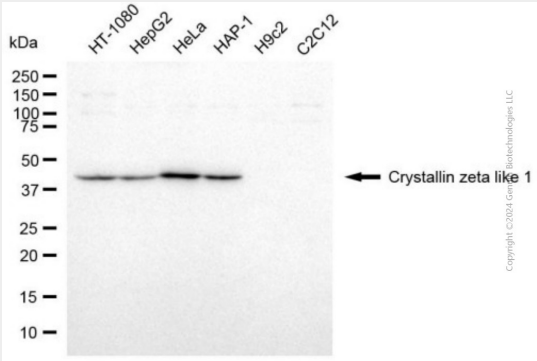
Tissue Location
Ubiquitous.

KD-Validated Anti-CRYZL1 Mouse Monoclonal Antibody - Protocols

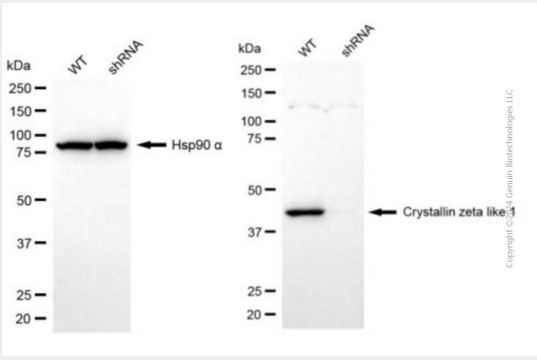
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-CRYZL1 Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-crystallin zeta like 1 antibody (Cat#AGI2012). Total cell lysates (20 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-crystallin zeta like 1 antibody (Cat#AGI2012, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-crystallin zeta like 1 antibody (Cat#AGI2012). Crystallin zeta like 1 expression in wild-type (WT) and crystallin zeta like 1 (CRYZL1) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-crystallin zeta like 1 antibody (Cat#AGI2012, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.