

KD-Validated Anti-RCHY1 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1430**Specification****KD-Validated Anti-RCHY1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	Q96PM5
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 30 kDa; observed, 26 kDa kDa
Gene Name	RCHY1
Aliases	RCHY1; Ring Finger And CHY Zinc Finger Domain Containing 1; RNF199; ZNF363; CHIMP; ARNIP; PIRH2; PRO1996; ZCHY; RING Finger And CHY Zinc Finger Domain-Containing Protein 1; Androgen-Receptor N-Terminal-Interacting Protein; P53-Induced Protein With A RING-H2 Domain; RING-Type E3 Ubiquitin Transferase RCHY1; E3 Ubiquitin-Protein Ligase Pirh2; RING Finger Protein 199; Zinc Finger Protein 363; Zinc Finger, CHY-Type; DKFZp586C1620; Ring Finger And CHY Zinc Finger Domain Containing 1, E3 Ubiquitin Protein Ligase; Androgen Receptor N-Terminal-Interacting Protein; CH-Rich Interacting Match With PLAG1; CH-Rich-Interacting Match With PLAG1; P53-Induced RING-H2 Protein; EC 2.3.2.27; HPirh2
Immunogen	A synthesized peptide derived from human RCHY1

KD-Validated Anti-RCHY1 Rabbit Monoclonal Antibody - Additional Information

Gene ID	25898
Other Names	RING finger and CHY zinc finger domain-containing protein 1, 2.3.2.27, Androgen receptor N-terminal-interacting protein, CH-rich-interacting match with PLAG1, E3 ubiquitin-protein ligase Pirh2, RING finger protein 199, RING-type E3 ubiquitin transferase RCHY1, Zinc finger protein 363, p53-induced RING-H2 protein, hPirh2, RCHY1

KD-Validated Anti-RCHY1 Rabbit Monoclonal Antibody - Protein Information**Name** RCHY1

Function

E3 ubiquitin-protein ligase that mediates ubiquitination of target proteins, including p53/TP53, TP73, HDAC1 and CDKN1B (PubMed:16914734, PubMed:17721809, PubMed:18006823, PubMed:19043414, PubMed:19483087, PubMed:21994467). Mediates ubiquitination and degradation of p53/TP53; preferentially acts on tetrameric p53/TP53 (PubMed:19043414, PubMed:19483087). Catalyzes monoubiquitinates the translesion DNA polymerase POLH (PubMed:21791603). Involved in the ribosome-associated quality control (RQC) pathway, which mediates the extraction of incompletely synthesized nascent chains from stalled ribosomes: RCHY1 acts downstream of NEMF and recognizes CAT tails associated with stalled nascent chains, leading to their ubiquitination and degradation (PubMed:33909987).

Cellular Location

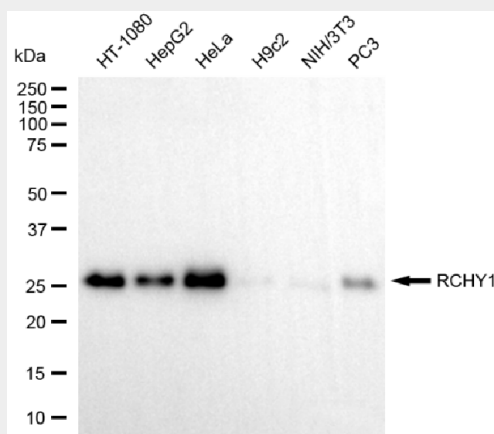
Nucleus. Nucleus speckle. Cytoplasm

KD-Validated Anti-RCHY1 Rabbit 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 Cytometry](#)
- [Cell Culture](#)

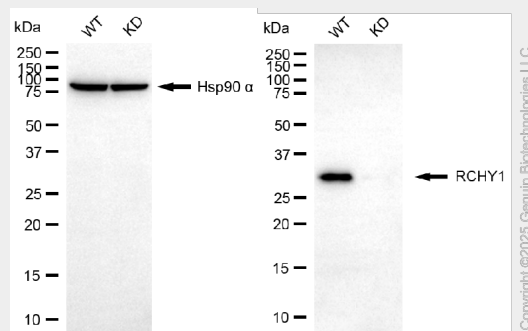
KD-Validated Anti-RCHY1 Rabbit Monoclonal Antibody - Images



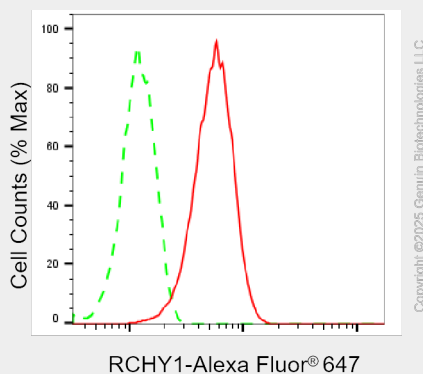
Copyright ©2025 Genm Biotechnologies LLC

Western blotting analysis using anti-RCHY1 antibody (Cat#AGI1430). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with

anti-RCHY1 antibody (Cat#AGI1430, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Western blotting analysis using anti-RCHY1 antibody (Cat#AGI1430). RCHY1 expression in wild-type (WT) and RCHY1 knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-RCHY1 antibody (Cat#AGI1430, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of RCHY1 expression in HAP-1 cells using anti-RCHY1 antibody (Cat#AGI1430, 1:2,000). Green, isotype control; red, RCHY1.