10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KD-Validated Anti-RCHY1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1430

Product Information

Application	WB, FC
Primary Accession	Q96PM5
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB3545
Calculated MW	30110
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

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

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

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