

RCHY1 Antibody (N-term H44) Blocking Peptide
Synthetic peptide
Catalog # BP2796a**Specification**

RCHY1 Antibody (N-term H44) Blocking Peptide - Product InformationPrimary Accession [Q96PM5](#)**RCHY1 Antibody (N-term H44) Blocking Peptide - Additional Information****Gene ID** 25898**Other Names**

RING finger and CHY zinc finger domain-containing protein 1, 632-, Androgen receptor N-terminal-interacting protein, CH-rich-interacting match with PLAG1, E3 ubiquitin-protein ligase Pirh2, RING finger protein 199, Zinc finger protein 363, p53-induced RING-H2 protein, hPirh2, RCHY1, ARNIP, CHIMP, PIRH2, RNF199, ZNF363

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2796a](/products/AP2796a) was selected from the N-term region of human RCHY1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RCHY1 Antibody (N-term H44) Blocking Peptide - Protein Information**Name** RCHY1**Function**

E3 ubiquitin-protein ligase that mediates ubiquitination of target proteins, including p53/TP53, TP73, HDAC1 and CDKN1B (PubMed: [19483087](http://www.uniprot.org/citations/19483087), PubMed: [19043414](http://www.uniprot.org/citations/19043414), PubMed: [16914734](http://www.uniprot.org/citations/16914734), PubMed: [17721809](http://www.uniprot.org/citations/17721809), PubMed: [18006823](http://www.uniprot.org/citations/18006823), PubMed: [21994467](http://www.uniprot.org/citations/21994467)). Mediates ubiquitination and degradation of p53/TP53; preferentially acts on tetrameric p53/TP53 (PubMed: [19483087](#)).

[19483087](http://www.uniprot.org/citations/19483087), PubMed: [19043414](http://www.uniprot.org/citations/19043414)). Catalyzes monoubiquitinates the translesion DNA polymerase POLH (PubMed: [21791603](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/33909987)).

Cellular Location

Nucleus. Nucleus speckle. Cytoplasm

RCHY1 Antibody (N-term H44) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RCHY1 Antibody (N-term H44) Blocking Peptide - Images

RCHY1 Antibody (N-term H44) Blocking Peptide - Background

RCHY1 protein has ubiquitin-protein ligase activity. This protein binds with p53 and promotes the ubiquitin-mediated proteosomal degradation of p53. Gene of RCHY1 is oncogenic because loss of p53 function contributes directly to malignant tumor development.

RCHY1 Antibody (N-term H44) Blocking Peptide - References

Sheng,Y., Nat. Struct. Mol. Biol. 15 (12), 1334-1342 (2008)Maruyama,S., Mol. Cell. Biochem. 307 (1-2), 73-82 (2008)Duan,S., EMBO J. 26 (13), 3062-3074 (2007)Duan,W., J. Natl. Cancer Inst. 96 (22), 1718-1721 (2004)