

PRR14 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP19549b

Specification

PRR14 Antibody(C-term) - Product Information

Application WB,E
Primary Accession Q9BWN1

Other Accession Q7TPN9, NP 076936.1

Reactivity
Predicted
Host
Clonality
Isotype
Calculated MW
Antigen Region
Human
Mouse
Rabbit
Polyclonal
Rabbit IgG
4422-450

PRR14 Antibody(C-term) - Additional Information

Gene ID 78994

Other Names

Proline-rich protein 14, PRR14

Target/Specificity

This PRR14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 422-450 amino acids from the C-terminal region of human PRR14.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

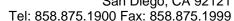
Precautions

PRR14 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PRR14 Antibody(C-term) - Protein Information

Name PRR14

Function Functions in tethering peripheral heterochromatin to the nuclear lamina during





interphase, possibly through the interaction with heterochromatin protein CBX5/HP1 alpha (PubMed:24209742). Might play a role in reattaching heterochromatin to the nuclear lamina at mitotic exit (PubMed:24209742). Promotes myoblast differentiation during skeletal myogenesis, possibly by stimulating transcription factor MyoD activity via binding to CBX5/HP1 alpha (PubMed: 25906157). Involved in the positive regulation of the PI3K-Akt-mTOR signaling pathway and in promoting cell proliferation, possibly via binding to GRB2 (PubMed:27041574).

Cellular Location

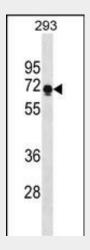
Chromosome. Nucleus. Nucleus lamina. Nucleus, nucleoplasm. Note=During interphase, associated with peripheral heterochromatin at the nuclear lamina. Released from the nuclear lamina in mitotic prophase and remains highly dispersed in metaphase. Associates with chromatin at the onset of anaphase and relocalizes to the nuclear lamina in telophase

PRR14 Antibody(C-term) - 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

PRR14 Antibody(C-term) - Images



PRR14 Antibody (C-term) (Cat. #AP19549b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the PRR14 antibody detected the PRR14 protein (arrow).

PRR14 Antibody(C-term) - References

Han, J.W., et al. Nat. Genet. 41(11):1234-1237(2009)