

PRR14 Antibody(C-term) Blocking peptide
Synthetic peptide
Catalog # BP19549b**Specification**

PRR14 Antibody(C-term) Blocking peptide - Product InformationPrimary Accession [Q9BWN1](#)**PRR14 Antibody(C-term) Blocking peptide - Additional Information****Gene ID** 78994**Other Names**

Proline-rich protein 14, PRR14

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.

PRR14 Antibody(C-term) Blocking peptide - 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 relocates to the nuclear lamina in telophase

PRR14 Antibody(C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PRR14 Antibody(C-term) Blocking peptide - Images**PRR14 Antibody(C-term) Blocking peptide - References**

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