10320 Camino Santa Fe, Suite G
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TIPRL Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18140b

Specification

TIPRL Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O75663

TIPRL Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 261726

Other Names
TIP41-like protein, Putative MAPK-activating protein PM10, Type 2A-interacting protein, TIP, TIPRL

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.

TIPRL Antibody (C-term) Blocking Peptide - Protein Information

Name TIPRL

Function
May be a allosteric regulator of serine/threonine-protein phosphatase 2A (PP2A). Isoform 1 inhibits catalytic activity of the PP2A(D) core complex in vitro. The PP2A(C):TIPRL complex does not show phosphatase activity. Acts as a negative regulator of serine/threonine- protein phosphatase 4 probably by inhibiting the formation of the active PPP4C:PPP4R2 complex; the function is proposed to implicate it in DNA damage response by promoting H2AX phosphorylated on Ser-140 (gamma-H2AX). May play a role in the regulation of ATM/ATR signaling pathway controlling DNA replication and repair.

Cellular Location
Cytoplasm.

TIPRL Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

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TIPRL Antibody (C-term) Blocking Peptide - Images

TIPRL Antibody (C-term) Blocking Peptide - Background

TIPRL is an inhibitory regulator of protein phosphatase-2A(PP2A) (see PPP2CA; MIM 176915), PP4 (see PPP4C; MIM 602035), andPP6 (see PPP6C; MIM 612725) (McConnell et al., 2007 [PubMed17384681]).

TIPRL Antibody (C-term) Blocking Peptide - References

Ehret, G.B., et al. Eur. J. Hum. Genet. 17(12):1650-1657(2009)Cheung, C.L., et al. Hum. Mol. Genet. 18(4):679-687(2009)Rikova, K., et al. Cell 131(6):1190-1203(2007)McConnell, J.L., et al. Oncogene 26(41):6021-6030(2007)Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :