

F122A Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP14015c**Specification**

F122A Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q96E09](#)**F122A Antibody (Center) Blocking peptide - Additional Information****Gene ID** 116224**Other Names**

Protein FAM122A, FAM122A, C9orf42

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14015c was selected from the Center region of F122A. 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.

F122A Antibody (Center) Blocking peptide - Protein Information**Name** PABIR1 {ECO:0000303|PubMed:33108758, ECO:0000312|HGNC:HGNC:23490}**Function**

Acts as an inhibitor of serine/threonine-protein phosphatase 2A (PP2A) activity (PubMed:27588481, PubMed:33108758). Potentiates ubiquitin-mediated proteasomal degradation of serine/threonine-protein phosphatase 2A catalytic subunit alpha (PPP2CA) (PubMed:27588481). Inhibits PP2A-mediated dephosphorylation of WEE1, promoting ubiquitin-mediated proteolysis of WEE1, thereby releasing G2/M checkpoint (PubMed:33108758).

Cellular Location

Nucleus. Cytoplasm. Note=The CHEK1-mediated Ser-37 phosphorylated form is sequestered by 14-3-3 proteins in the cytoplasm and fails to translocate to the nucleus, where it otherwise inhibits serine/threonine-protein phosphatase 2A.

F122A Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

F122A Antibody (Center) Blocking peptide - Images**F122A Antibody (Center) Blocking peptide - Background**

The exact function of this protein remains unknown.

F122A Antibody (Center) Blocking peptide - References

Kottgen, A., et al. Nat. Genet. 42(5):376-384(2010) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Lamesch, P., et al. Genomics 89(3):307-315(2007) Olsen, J.V., et al. Cell 127(3):635-648(2006) Olsen, J.V., et al. Cell 127(3):635-648(2006)