

Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody Blocking peptide
Synthetic peptide
Catalog # BP2198a**Specification**

Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody Blocking peptide - Product InformationPrimary Accession [Q6P1M3](#)**Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody Blocking peptide - Additional Information**

Gene ID 3993

Other Names

Lethal(2) giant larvae protein homolog 2, HGL, LLGL2

Target/Specificity

The synthetic peptide sequence used to generate the antibody <a>AP2198a was selected from the region of human Phospho-LLGL1/2-S650/S654. 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.

Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody Blocking peptide - Protein Information

Name LLGL2

Function

Part of a complex with GPSM2/LGN, PRKCI/aPKC and PARD6B/Par- 6, which may ensure the correct organization and orientation of bipolar spindles for normal cell division. This complex plays roles in the initial phase of the establishment of epithelial cell polarity.

Cellular Location

Cytoplasm. Note=Localized in the perinuclear structure and faintly at the cell- cell contacts sites in the interphase. Localized at the cell periphery during metaphase. Cortical localization in mitotic cells. Found in the lateral region of polarized epithelial cells

Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody Blocking peptide - Images**Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody Blocking peptide - Background**

LLGL1 is a protein that is similar to a tumor suppressor in *Drosophila*. The protein is part of a cytoskeletal network and is associated with nonmuscle myosin II heavy chain and a kinase that specifically phosphorylates this protein at serine residues. The gene for LLGL1 is located within the Smith-Magenis syndrome region on chromosome 17. LLGL2 is a protein similar to lethal (2) giant larvae of *Drosophila*. In fly, the protein's ability to localize cell fate determinants is regulated by the atypical protein kinase C (aPKC). In human, this protein interacts with aPKC-containing complexes and is cortically localized in mitotic cells.

Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody Blocking peptide - References

Schimanski, C.C., et al., *Oncogene* 24(19):3100-3109 (2005). Grifoni, D., et al., *Oncogene* 23(53):8688-8694 (2004). Katoh, M., et al., *Int. J. Oncol.* 24(3):737-742 (2004). Bi, W., et al., *Genome Res.* 12(5):713-728 (2002). Ludford-Menting, M.J., et al., *J. Biol. Chem.* 277(6):4477-4484 (2002). Yasumi, M., et al., *J. Biol. Chem.* 280(8):6761-6765 (2005).