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Phospho-SEPARIN-S1501Antibody Blocking Peptide

Synthetic peptide
Catalog # BP3245a

Specification

Phospho-SEPARIN-S1501Antibody Blocking Peptide - Product Information

Primary Accession Q14674

Phospho-SEPARIN-S1501Antibody Blocking Peptide - Additional Information

Gene ID 9700

Other Names
Separin, Caspase-like protein ESPL1, Extra spindle poles-like 1 protein, Separase, ESPL1, ESP1, KIAA0165

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP3245a was selected from the 1494-1508 region of human Phospho-SEPARIN-S1501. 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.

Phospho-SEPARIN-S1501Antibody Blocking Peptide - Protein Information

Name ESPL1

Synonyms ESP1, KIAA0165

Function
Caspase-like protease, which plays a central role in the chromosome segregation by cleaving the SCC1/RAD21 subunit of the cohesin complex at the onset of anaphase. During most of the cell cycle, it is inactivated by different mechanisms.

Cellular Location
Cytoplasm. Nucleus.

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Phospho-SEPARIN-S1501Antibody Blocking Peptide - Protocols

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

- Blocking Peptides

Phospho-SEPARIN-S1501Antibody Blocking Peptide - Images

Phospho-SEPARIN-S1501Antibody Blocking Peptide - Background

This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. Mutations in this gene could be involved in the malignant progression of colon cancer. Two transcript variants encoding the same protein have been found for this gene.

Phospho-SEPARIN-S1501Antibody Blocking Peptide - References

Chestukhin, A., et al., Proc. Natl. Acad. Sci. U.S.A. 100(8):4574-4579 (2003).Waizenegger, I., et al., Curr. Biol. 12(16):1368-1378 (2002).Chen, F., et al., J. Biol. Chem. 277(19):16775-16781 (2002).Hauf, S., et al., Science 293(5533):1320-1323 (2001).Zou, H., et al., Science 285(5426):418-422 (1999).