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HSC70 Interacting Protein HIP (ST13) Antibody Blocking peptide

Synthetic peptide
Catalog # BP6247a

Specification

HSC70 Interacting Protein HIP (ST13) Antibody Blocking peptide - Product Information

Primary Accession	P50502
Other Accession	NP_003923

HSC70 Interacting Protein HIP (ST13) Antibody Blocking peptide - Additional Information

Gene ID 6767

Other Names
Hsc70-interacting protein, Hip, Aging-associated protein 2, Progesterone receptor-associated p48 protein, Protein FAM10A1, Putative tumor suppressor ST13, Renal carcinoma antigen NY-REN-33, Suppression of tumorigenicity 13 protein, ST13, AAG2, FAM10A1, HIP, SNC6

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6247a was selected from the N-term region of human ST13 . 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.

HSC70 Interacting Protein HIP (ST13) Antibody Blocking peptide - Protein Information

Name ST13

Synonyms AAG2, FAM10A1, HIP, SNC6

Function
One HIP oligomer binds the ATPase domains of at least two HSC70 molecules dependent on activation of the HSC70 ATPase by HSP40. Stabilizes the ADP state of HSC70 that has a high affinity for substrate protein. Through its own chaperone activity, it may contribute to the interaction of HSC70 with various target proteins (By similarity).

Cellular Location
Cytoplasm.

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HSC70 Interacting Protein HIP (ST13) Antibody Blocking peptide - Protocols

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

- Blocking Peptides

HSC70 Interacting Protein HIP (ST13) Antibody Blocking peptide - Images

HSC70 Interacting Protein HIP (ST13) Antibody Blocking peptide - Background

ST13 is an adaptor protein that mediates the association of the heat shock proteins HSP70 and HSP90. This protein has been shown to be involved in the assembly process of glucocorticoid receptor, which requires the assistance of multiple molecular chaperones. The expression of this protein is reported to be downregulated in colorectal carcinoma tissue suggesting that is a candidate tumor suppressor.

HSC70 Interacting Protein HIP (ST13) Antibody Blocking peptide - References

Rajapandi, T., et al., J. Biol. Chem. 275(29):22597-22604 (2000).Morishima, Y., et al., J. Biol. Chem. 275(10):6894-6900 (2000).Chen, S., et al., J. Biol. Chem. 273(52):35194-35200 (1998).Johnson, B.D., et al., J. Biol. Chem. 273(6):3679-3686 (1998).Cao, J., et al., J. Cancer Res. Clin. Oncol. 123(8):447-451 (1997).