10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HSC70 Interacting Protein HIP (ST13) Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6247a

Product Information

Application	IHC-P, WB, E
Primary Accession	P50502
Other Accession	Q8IZP2, NP_003923
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB2078
Calculated MW	41332
Antigen Region	50-80

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	This HSC70 Interacting Protein HIP (ST13) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 50-80 amino acids from human HSC70 Interacting Protein HIP (ST13).
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HSC70 Interacting Protein HIP (ST13) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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.

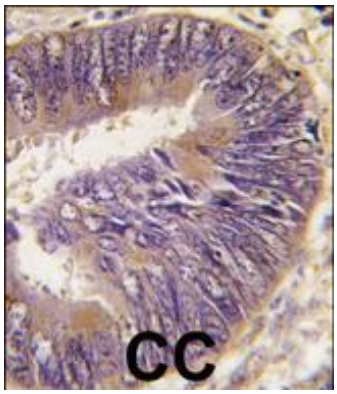
Background

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.

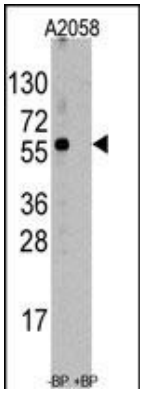
References

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).

Images



Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with ST13 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western blot analysis of anti-ST13 Antibody (N-term) (Cat.#AP6247a) pre-incubated with and without blocking peptide (BP6247a) in A2058 cell line lysate. ST13(arrow) was detected using the purified Pab .