

ST13 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4585
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human ST13 expressed in E. Coli.
Mol wt	48kDa
Species reactivity	Human,Monkey
Clonality	Monoclonal
Recommended application	WB,IHC,ICC
Concentration	N/A
Full name	N/A
Synonyms	HIP;HOP;P48;AAG2;SNC6;HSPABP;FAM10A1;FAM10A4;HSPABP1;ST13

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

ST13 (suppression of tumorigenicity protein 13), also known as Hip (HSP70-interacting protein), is one of several co-chaperones that regulate activities of the HSP70 chaperone family. The homo-oligomeric protein Hip cooperates with HSP70 in protein folding by stabilizing the ADP-bound state of HSP70. Hip directly binds to the ATPase domain of HSP70 when it is converted to the ADP-bound state by proteins of the HSP40 family. By collaborating with other positive co-factors such as HSP40 and Hop, or competing with negative co-factors such as Bag1, Hip may facilitate the chaperone function of HSP70 in protein folding and repair, and in controlling the activity of regulatory proteins such as steroid receptors and various regulators of proliferation or apoptosis.

Recommended Dilution

WB: 1:500 - 1:2000

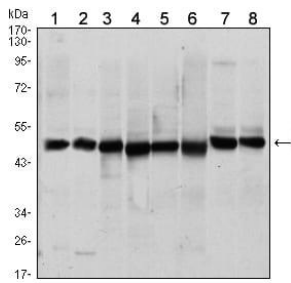
IHC-p: 1:200 - 1:1000

ICC: 1:200 - 1:1000

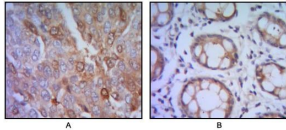
ELISA: 1:10000

Not yet tested in other applications.

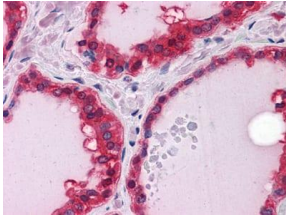
Images



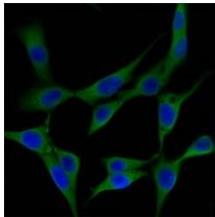
Western blot analysis using ST13 mouse mAb against A431 (1), HEK293 (2), HeLa (3), HepG2 (4), Jurkat (5), K562 (6), L1210 (7) and MCF-7 (8) cell lysate.



Immunohistochemical analysis of paraffin-embedded human lung cancer (A), colon cancer (B) using ST13 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human Thyroid tissues using ST13 mouse mAb



Immunofluorescence analysis of NIH/3T3 cells using ST13 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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