



Category: Monoclonal Antibodies
Product Name: Mouse Monoclonal Antibody to ST13

Catalog Number: MAB-606020419

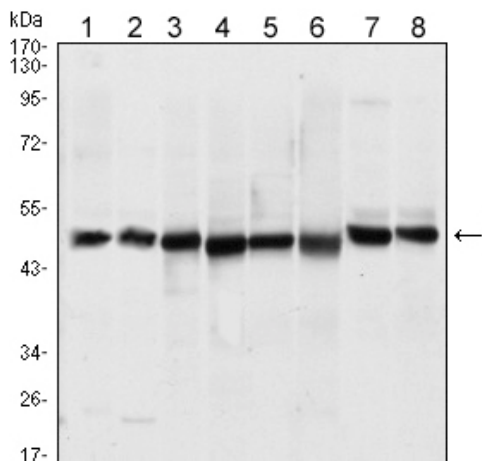


Figure 1: Western blot analysis using ST13 mouse mAb against A431 (1), HEK293 (2), Hela (3), HepG2 (4), Jurkat (5), K562 (6), L1210 (7) and MCF-7 (8) cell lysate.

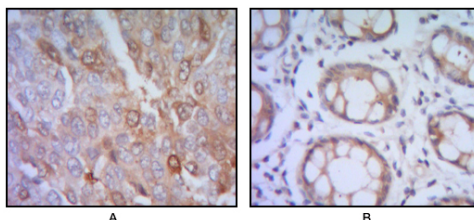


Figure 2: Immunohistochemical analysis of paraffin-embedded human lung cancer (A), colon cancer (B) using ST13 mouse mAb with DAB staining.

Lot#:
Clone#: 3B10
Host and isotype: Mouse IgG1
Size: 0.1ml
MW: 48kDa
Aliases: HIP; HOP; P48; AAG2; SNC6; HSPABP; FAM10A1; FAM10A4; HSPABP1; ST13
Entrez Gene: 6767
Species reactivity: Human; Monkey

Description 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.

Immunogen Purified recombinant fragment of human ST13 expressed in E. Coli.

Application Western Blotting: 1/500 - 1/2000.
Immunohistochemistry: 1/200 - 1/1000.
Immunofluorescence: 1/200 - 1/1000.
ELISA: Propose dilution 1/10000.
Not yet tested in other applications.
Determining optimal working dilutions by titration test.

Formulation Ascitic fluid containing 0.03% sodium azide.

Storage Store at 4°C, for long term storage, store at -20°C.

Related product References 1. J Biol Chem. 2002 Jan 4;277(1):259-66.
2. Electrophoresis. 2004 May;25(9):1289-98.

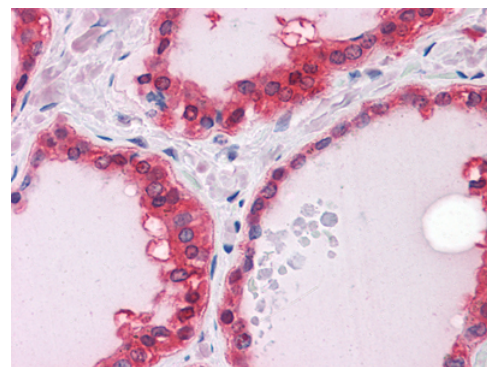


Figure 3: Immunohistochemical analysis of paraffin-embedded human Thyroid tissues using ST13 mouse mAb

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