

ST13 Recombinant Rabbit mAb

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Catalog # AP94635

Product Information

Application	WB, IHC-P, IHC-F, IF
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
SIMILARITY	Belongs to the FAM10 family. Contains 1 STI1 domain. Contains 3 TPR repeats.
SUBUNIT	Homotetramer. Interacts with HSC70 as well as DNAJ homologs and HSP90 (By similarity). Interacts (via the C-terminus 303- 319 AA) with GRK5.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Hip (HSP70-interacting protein), also known as ST13 (suppression of tumorigenicity protein 13), is one of several co-chaperones that regulate activities of the HSP70 chaperone family (1,2). 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 (3). 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 (4-8).

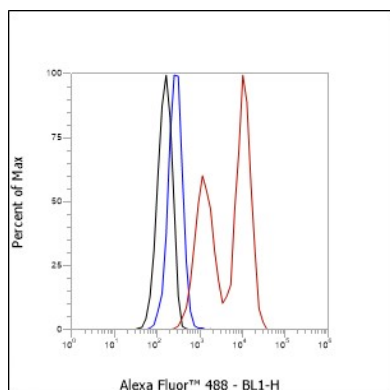
Additional Information

Dilution	WB=1:500-1:2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=0,Flow-Cyt=1:50-1:100
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

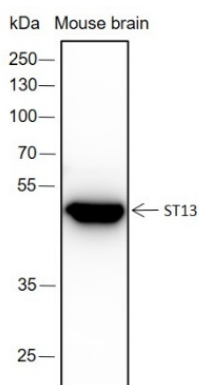
Background

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Images



Cell line: HepG2 Fixative: 4% Paraformaldehyde
Permeabilization: 90% methanol Primary ab dilution:
1:100 Secondary ab: Goat anti Rabbit IgG Unlabelled
control: The cell without incubation with primary
antibody and secondary antibody (Black line). Isotype
control: Rabbit monoclonal IgG (Blue line). Comment:
Line red is the positive signal for AP94635



Blocking buffer: 5% NFDM/TBST Primary ab dilution:
1:2000 Primary ab incubation condition: 2 hours at room
temperature Secondary ab: Goat Anti-Rabbit IgG H&L
(HRP) Lysate: Mouse brain Protein loading quantity: 20 µg
Exposure time: 30 s Predicted MW: 41 kDa Observed MW:
47 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.