

Pan Actin Recombinant Rabbit mAb

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Catalog # AP94657

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC
Host	Rabbit
Clonality	Recombinant
Calculated MW	42 KDa
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	Cytoskeleton.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. In vertebrates 3 main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins coexist in most cell types as components of the cytoskeleton and as mediators of internal cell motility. Actin proteins have very high homology. The immunogen for this product is based on the ACTC1 protein but this antibody will also recognize: ACTB, ACTA1, ACTG1, ACTA2, ACTG2.

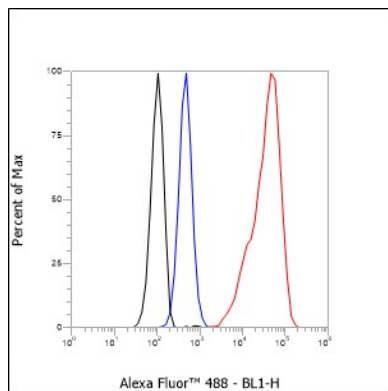
Additional Information

Dilution	WB=1:500-1:1000, IHC-P=1:100-500, IHC-F=, ICC/IF=1:50, 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.

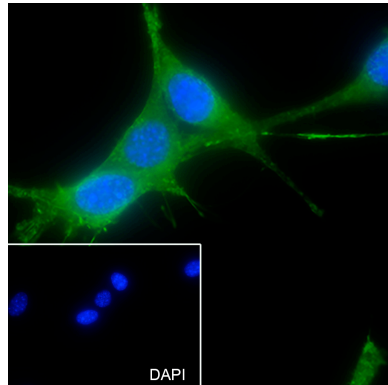
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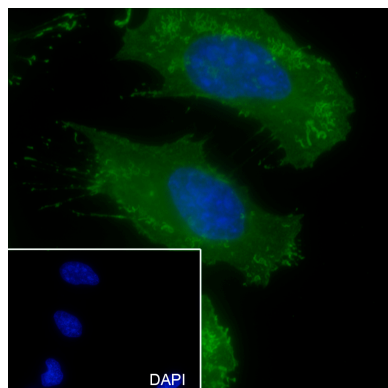
Images



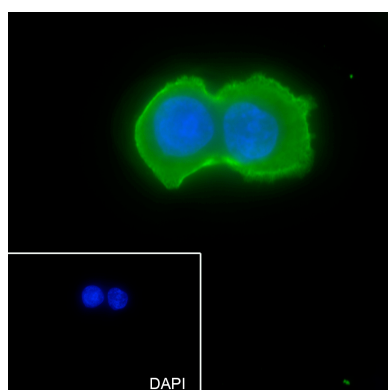
Cell line: Jurkat Fixative: 4% Paraformaldehyde
 Permeabilization: 90% Methanol Primary ab dilution:
 1:100 Secondary ab: Goat anti Rabbit IgG Unlabelled
 control: The cell without incubation with primary
 antibody and secondary antibody (Black line). Isotype
 control: Rabbit monoclonal IgG (Blue line). Comment:
 Line red is the positive signal for AP94657



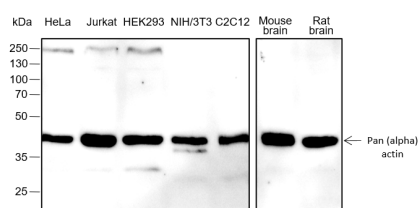
Cell line: NIH/3T3 Fixative: 4% Paraformaldehyde
 Permeabilization: 0.1% TritonX-100 Primary ab dilution:
 1:50 Primary incubation condition: 4°C overnight
 Secondary ab: Goat Anti-Rabbit IgG Nuclear counter
 stain: DAPI (Blue) Comment: Color green is the positive
 signal for AP94657



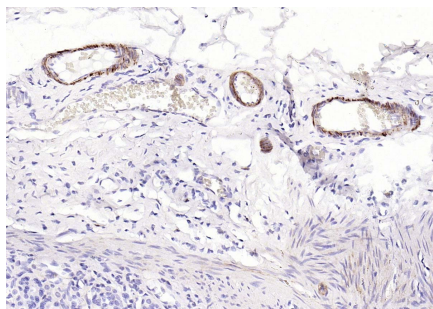
Cell line: HeLa Fixative: 100% Ice-cold methanol
 Permeabilization: 0.1% TritonX-100 Primary ab dilution:
 1:50 Primary incubation condition: 4°C overnight
 Secondary ab: Goat Anti-Rabbit IgG Nuclear counter
 stain: DAPI (Blue) Comment: Color green is the positive
 signal for AP94657



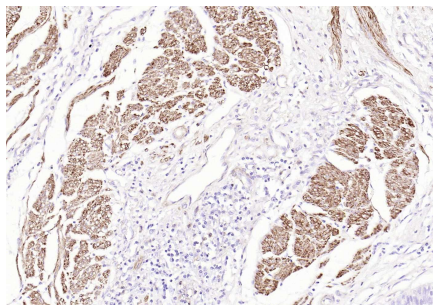
Cell line: A431 Fixative: 100% Ice-cold methanol
 Permeabilization: 0.1% TritonX-100 Primary ab dilution:
 1:50 Primary incubation condition: 4°C overnight
 Secondary ab: Goat Anti-Rabbit IgG Nuclear counter
 stain: DAPI (Blue) Comment: Color green is the positive
 signal for AP94657



Blocking buffer: 5% NFDM/TBST Primary ab dilution:
 1:1000 Primary ab incubation condition: 2 hours at room
 temperature Secondary ab: Goat Anti-Rabbit IgG H&L
 (HRP) Lysate: HeLa, Jurkat, HEK293, NIH/3T3, C2C12,
 Mouse brain, Rat brain Protein loading quantity: 20 µg
 Exposure time: 60 s Predicted MW: 42 kDa Observed MW:
 42 kDa



Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Pan Actin) Monoclonal Antibody, Unconjugated (AP94657) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Pan Actin) Monoclonal Antibody, Unconjugated (AP94657) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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