

PRDX2 Recombinant Mouse mAb

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Catalog # AP94399

Product Information

Application	WB
Reactivity	Human, Mouse
Host	Mouse
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG1, Kappa
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein plays an antioxidant protective role in cells, and it may contribute to the antiviral activity of CD8(+) T-cells. The crystal structure of this protein has been resolved to 2.7 angstroms. This protein prevents hemolytic anemia from oxidative stress by stabilizing hemoglobin, thus making this gene a therapeutic target for patients with hemolytic anemia. This protein may have a proliferative effect and play a role in cancer development or progression. Related pseudogenes have been identified on chromosomes 5, 6, 10 and 13. [provided by RefSeq, Mar 2013]

Additional Information

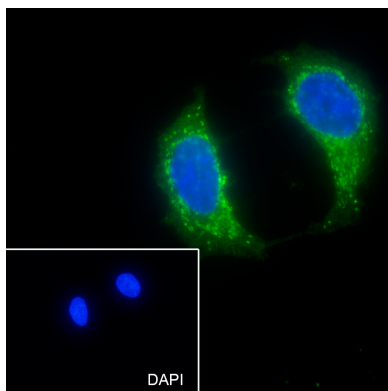
Dilution	WB=1:500-1000,ICC/IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Background

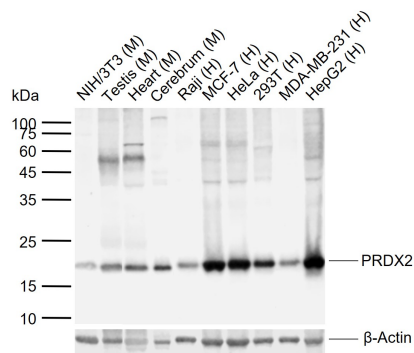
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Images

Cell line: MCF-7
Fixative: 4% Paraformaldehyde



Permeabilization: 0.1% TritonX-100
 Primary ab dilution: 1:50
 Primary incubation condition: 4°C overnight
 Secondary ab: Goat Anti-Mouse IgG
 Nuclear counter stain: DAPI (Blue)
 Comment: Color green is the positive signal for AP94399



Sample:
 Lane 1: Mouse NIH/3T3 cell lysates
 Lane 2: Mouse Testis tissue lysates
 Lane 3: Mouse Heart tissue lysates
 Lane 4: Mouse Cerebrum tissue lysates
 Lane 5: Human Raji cell lysates
 Lane 6: Human MCF-7 cell lysates
 Lane 7: Human HeLa cell lysates
 Lane 8: Human 293T cell lysates
 Lane 9: Human MDA-MB-231 cell lysates
 Lane 10: Human HepG2 cell lysates
 Primary: Anti-PRDX2 (AP94399) at 1/500 dilution
 Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
 Predicted band size: kDa
 Observed band size: 20 kDa

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