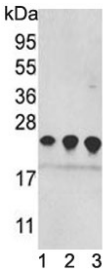
PRDX2 Antibody / Peroxiredoxin 2 (F54797)

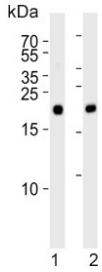
Catalog No.	Formulation	Size
F54797-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54797-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

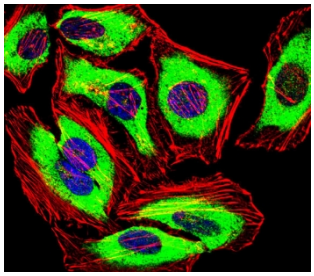
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P32119
Localization	Cytoplasmic
Applications	Western blot: 1:500-1:1000 Immunofluorescence: 1:10-1:50 Immunohistochemistry (FFPE): 1:50-1:100
Limitations	This PRDX2 antibody is available for research use only.



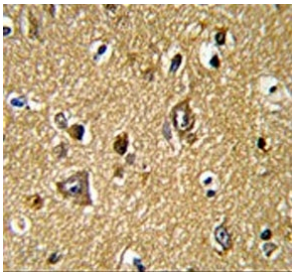
Western blot testing of 1) human MDA-MB-231, 2) HEK293 and 3) mouse brain lysate with PRDX2 antibody. Predicted molecular weight ~22 kDa.



Western blot testing of 1) mouse heart and 2) rat heart tissue lysate with PRDX2 antibody. Predicted molecular weight ~22 kDa.



Immunofluorescent staining of fixed and permeabilized human HeLa cells with PRDX2 antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



IHC testing of FFPE human brain tissue with PRDX2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

PRDX2 is a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. This protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. The crystal structure of this protein has been resolved to 2.7 angstroms.

Application Notes

The stated application concentrations are suggested starting points. Titration of the PRDX2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 169-198 from the human protein was used as the immunogen for the PRDX2 antibody.

Storage

Aliquot the PRDX2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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