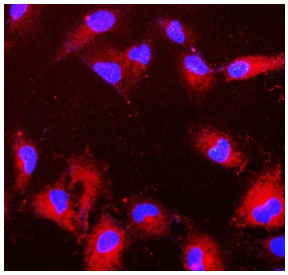
Peroxiredoxin 6 Antibody [clone 6I8] (RQ6026)

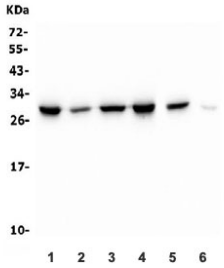
Catalog No.	Formulation	Size
RQ6026	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

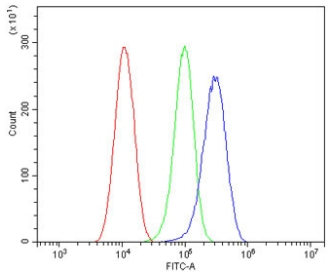
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	6I8
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P30041
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry: 1-2ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This Peroxiredoxin 6 antibody is available for research use only.



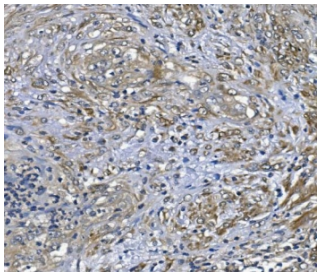
Immunofluorescent staining of FFPE human A549 cells with Peroxiredoxin 6 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) Jurkat, 3) HEK293, 4) K562, 5) SW620 and 6) mouse RH35 antibody with Peroxiredoxin 6 antibody. Expected molecular weight: ~25 kDa.



Flow cytometry testing of human HeLa cells with Peroxiredoxin 6 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Peroxiredoxin 6 antibody.



IHC staining of FFPE human endometrial carcinoma cancer with Peroxiredoxin 6 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

PRDX6 is also known as PRX, p29 or AOP2. The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H(2)O(2) and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury.

Application Notes

Optimal dilution of the Peroxiredoxin 6 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids E15-P224) was used as the immunogen for the Peroxiredoxin 6 antibody.

Storage

After reconstitution, the Peroxiredoxin 6 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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