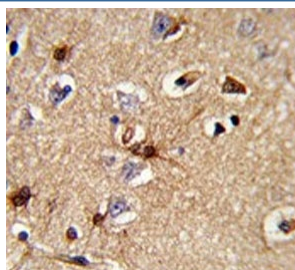


PRDX6 Antibody / Peroxiredoxin 6 / aiPLA2 (F54799)

Catalog No.	Formulation	Size
F54799-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54799-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

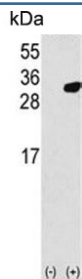
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P30041
Localization	Cytoplasmic
Applications	Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:50-1:100 Western Blot : 1:500-1:1000
Limitations	This PRDX6 antibody is available for research use only.



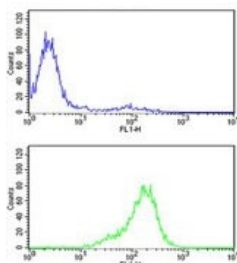
IHC testing of FFPE human brain tissue with PRDX6 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human CCRF-CEM cell lysate with PRDX6 antibody. Predicted molecular weight ~25 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with PRDX6 antibody.



Flow cytometry testing of human CCRF-CEM cells with PRDX6 antibody; Blue=isotype control, Green= PRDX6 antibody.

Description

PRDX6 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_2O_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

The stated application concentrations are suggested starting points. Titration of the PRDX6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 197-224 from the human protein was used as the immunogen for the PRDX6 antibody.

Storage

Aliquot the PRDX6 antibody and store frozen at $-20^{\circ}C$ or colder. Avoid repeated freeze-thaw cycles.