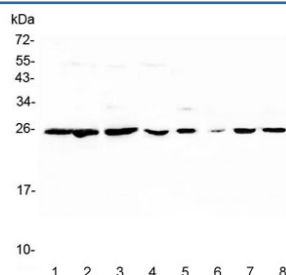


Peroxiredoxin 6 Antibody (PRDX6) (R31763)

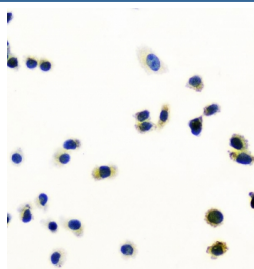
Catalog No.	Formulation	Size
R31763	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

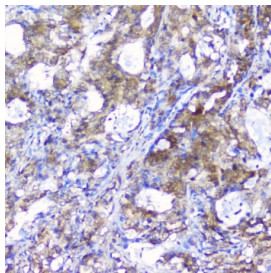
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	9588
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml Immunocytochemistry : 1-2ug/ml
Limitations	This Peroxiredoxin 6 antibody is available for research use only.



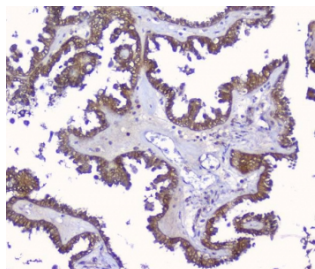
Western blot testing of 1) human placenta, 2) human PC-3, 3) human K562, 4) human HeLa, 5) rat lung, 6) rat liver, 7) mouse lung and 8) mouse liver lysate with Peroxiredoxin 6 antibody. Expected molecular weight: ~25 kDa.



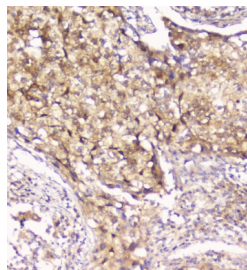
Immunocytochemical staining of FFPE human PC-3 cells with Peroxiredoxin 6 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



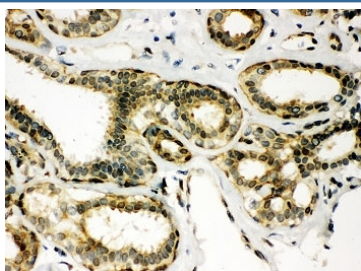
IHC staining of FFPE human stomach cancer with Peroxiredoxin 6 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



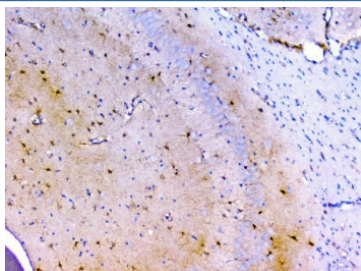
IHC staining of FFPE human ovarian cancer with Peroxiredoxin 6 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE human lung cancer with Peroxiredoxin 6 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE human breast cancer with Peroxiredoxin 6 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain with Peroxiredoxin 6 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.

Description

Peroxiredoxin 6 is also known as PRX, p29 or AOP2. The protein encoded by the PRDX6 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 H₂O₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. Peroxiredoxin 6 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 amounts. Titration of the Peroxiredoxin 6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 15-224) was used as the immunogen for this Peroxiredoxin 6 antibody.

Storage

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