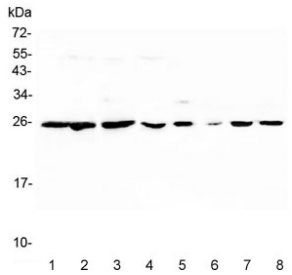
# Peroxiredoxin 6 Antibody (PRDX6) (R31763)

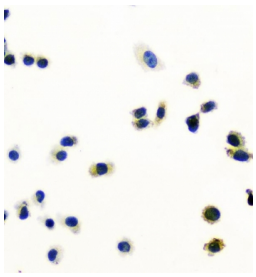
| Catalog No. | Formulation | Size |
|---|---|---|
| R31763 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

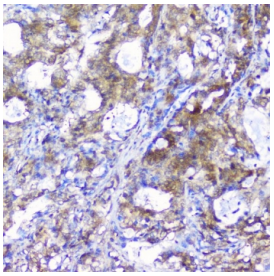
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized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



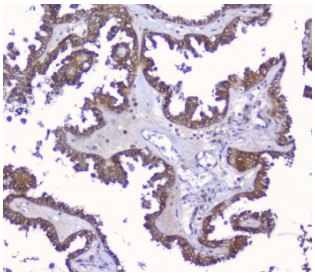

Western blot testing of 1) human placenta, 2) human PC-3, 3) human K562, 4) human HeLa, 5) rat lung, 6) rat liver, 7) mouse lung and 8) mouse liver lysate with Peroxiredoxin 6 antibody. Expected molecular weight: ~25 kDa.



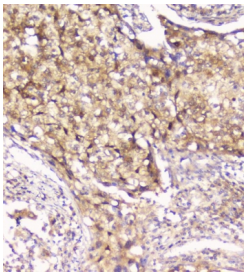
Immunocytochemical staining of FFPE human PC-3 cells with Peroxiredoxin 6 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



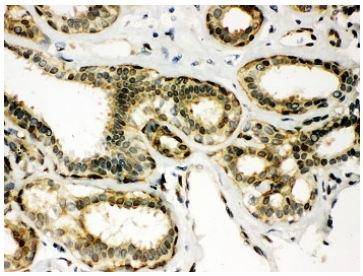
IHC staining of FFPE human stomach cancer with Peroxiredoxin 6 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



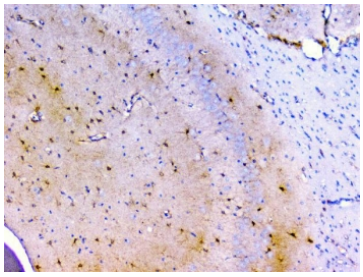
IHC staining of FFPE human ovarian cancer with Peroxiredoxin 6 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



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 H(2)O(2) 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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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