

Nur für Forschungszwecke

# PRDX3 Polyklonaler Antikörper

Katalog-Nr.:10664-1-AP

Vorgestelltes Produkt

23 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 10664-1-AP	<b>GenBank-Zugangsnummer:</b> BC007062	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 600 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 10935	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:16000 IHC 1:50-1:500 IF 1:50-1:500
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> peroxiredoxin 3	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 27 kDa	
<b>Immunogen Katalognummer:</b> AG1062	<b>Beobachtete Masse:</b> 26-28 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

IF, IHC, WB

### Getestete Reaktivität:

Human, Maus, Ratte

### Zitierte Arten:

Human, Maus, Ratte

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB:** HeLa-Zellen, LNCaP-Zellen, Mausherzgewebe, Maushirngewebe, MCF-7-Zellen

**IHC:** humanes Lungenkarzinomgewebe,

**IF:** HepG2-Zellen,

## Hintergrundinformationen

PRDX3 (Peroxiredoxin 3), also named as AOP1, HBC189 and MER5, belongs to the ahpC/TSA family. It is involved in redox regulation of the cell and protects radical-sensitive enzymes from oxidative damage by a radical-generating system. PRDX3 is required for MYC-mediated proliferation, transformation, and apoptosis after glucose withdrawal and essential for maintaining mitochondrial mass and membrane potential in transformed rat and human cells (PMID:12011429). PRDX3 acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ling Fu	31411056	Antioxid Redox Signal	WB
Caitlin E. Miller	36358489	Antioxidants (Basel)	WB
Eirini Meimaridou	29046340	J Endocrinol	WB

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

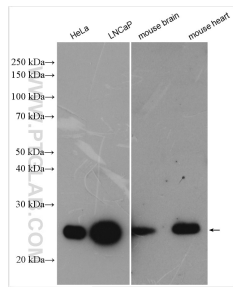
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

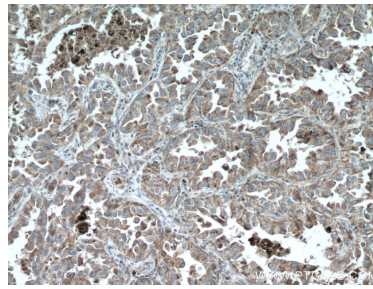
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

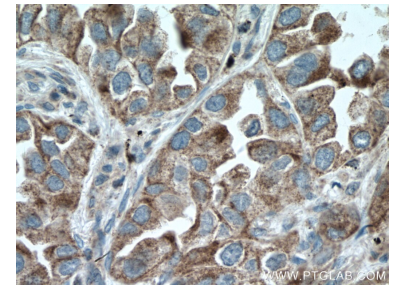
## Ausgewählte Validierungsdaten



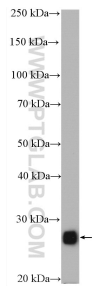
Various lysates were subjected to SDS PAGE followed by western blot with 10664-1-AP (PRDX3 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



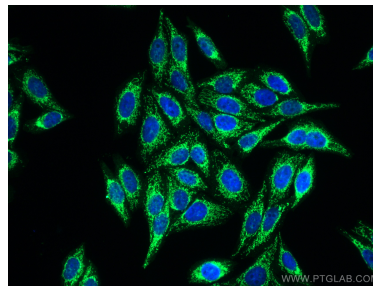
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10664-1-AP (PRDX3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10664-1-AP (PRDX3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HeLa cells were subjected to SDS PAGE followed by western blot with 10664-1-AP (PRDX3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PRDX3 antibody (10664-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).