

Nur für Forschungszwecke

# PRDX3 Rekombinanter Antikörper

Katalog-Nr.: 81833-1-RR



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 81833-1-RR	<b>GenBank-Zugangsnummer:</b> BC007062	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 100ul, Konzentration: 1000 µg/ml von 10935	<b>GeneID (NCBI):</b> 10935	<b>CloneNo.:</b> 1L11
<b>Nanodrop;</b>	<b>Vollständiger Name:</b> peroxiredoxin 3	<b>Empfohlene Verdünnungen:</b> WB 1:20000-1:100000 IHC 1:500-1:2000 IF 1:200-1:800
<b>Wirt:</b> Kaninchen	<b>Berechnete Masse:</b> 27 kDa	
<b>Isotyp:</b> IgG	<b>Beobachtete Masse:</b> 28 kDa	
<b>Immunogen Katalognummer:</b> AG1062		

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, WB, ELISA

### Getestete Reaktivität:

Human, Maus, Ratte

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

### Positivkontrollen:

**WB:** HeLa-Zellen, A549-Zellen, HEK-293-Zellen, HepG2-Zellen, LNCaP-Zellen, Mausebergewebe, Rattenlebergewebe

**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.

## 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**

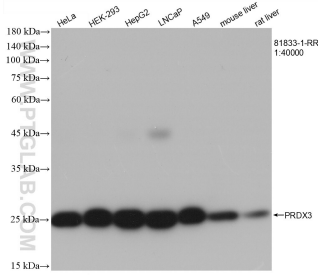
For technical support and original validation data for this product please contact:

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

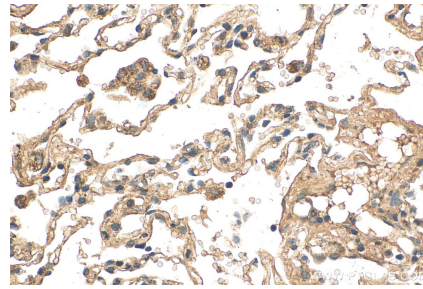
E: proteintech@ptglab.com  
W: ptglab.com

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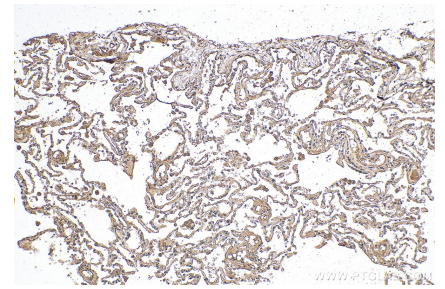
## Ausgewählte Validierungsdaten



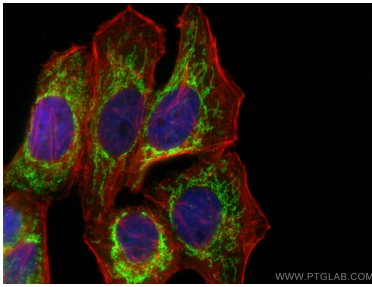
Various lysates were subjected to SDS PAGE followed by western blot with 81833-1-RR (PRX3 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



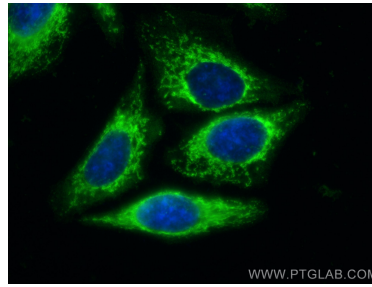
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 81833-1-RR (PRDX3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 81833-1-RR (PRDX3 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PRX3 antibody (81833-1-RR, Clone: 1L11) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using PRX3 antibody (81833-1-RR, Clone: 1L11) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).