

## PRDX4 Polyclonal Antibody

**catalog number: E-AB-53409**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

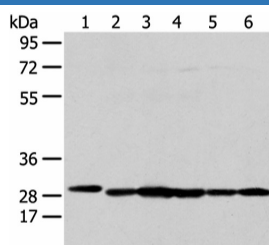
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Synthetic peptide of human PRDX4
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen affinity purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

### Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
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### Data



Western blot analysis of 293T HepG2 K562 and MCF-7 cell  
using PRDX4 Polyclonal Antibody at dilution of 1:300

**Observed-MW:Refer to figures**

**Calculated-MW:30 kDa**

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

### Background

PRDX4(Peroxiredoxin-4) is also named as AOE37-2,Prx-IV and belongs to the AhpC/TSA family. PRDX4 is associated with acrosome formation during rat spermatogenesis and has a protective role in the male reproductive tract,because the phenotype of mice lacking this isoform includes testicular atrophy and increased sperm DNA damage. It is initially synthesized as a membrane-binding 31-kDa protein and processed into a 27-kDa secretory form and is discarded with the residual bodies. PRDX4 is a pentamer of dimers.

### For Research Use Only