

Datasheet for ABIN2783305

**anti-Peroxiredoxin 6 antibody (C-Term)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µL
Target:	Peroxiredoxin 6 (PRDX6)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Rabbit, Dog, Zebrafish (Danio rerio), Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Peroxiredoxin 6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human PRDX6
Sequence:	VATPVDWKDG DSVMLPTIP EEEAKKLFPK GVFTKELPSG KKYLRYPQP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 83%
Characteristics:	This is a rabbit polyclonal antibody against PRDX6. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	Peroxiredoxin 6 (PRDX6)
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## Target Details

Alternative Name:	PRDX6 ( <a href="#">PRDX6 Products</a> )
Background:	<p>PRDX6 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. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. The protein encoded by this 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. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: 1-Cys, AOP2, KIAA0106, MGC46173, NSGPx, PRX, aiPLA2, p29</p> <p>Protein Interaction Partner: HUWE1, CASP10, CASP8, STAU1, UBC, NEDD8, MDM2, ASB12, ASB3, NPM1, CDK2, PRDX6, VCAM1, ORM2, ITGA4, NR4A1, GPX4, FN1, PAXIP1, TMEM189, NIT2, SSU72, TIMM9, PRDX5, TMED10, C11orf58, PITRM1, SUCLG2, TPI1, PRDX2, RDX, RANGAP1, PKM, PFAS, PRDX1, MDH1, ATP6V1A,</p> <p>Protein Size: 224</p>
Molecular Weight:	25 kDa
Gene ID:	9588
NCBI Accession:	<a href="#">NM_004905</a> , <a href="#">NP_004896</a>
UniProt:	<a href="#">P30041</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 224 AA
Restrictions:	For Research Use only

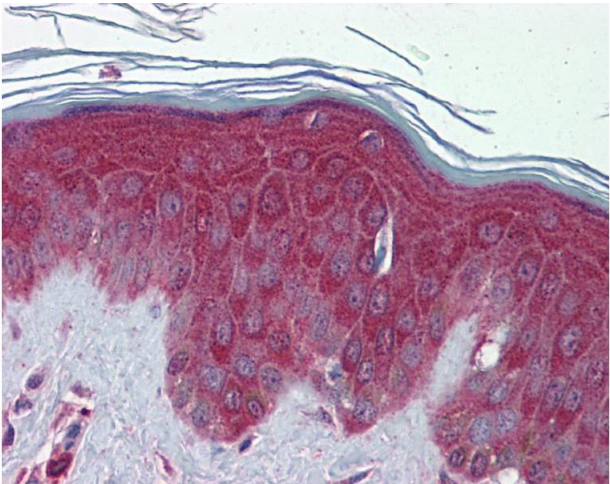
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

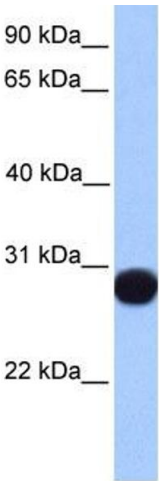
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

Image 1.



Western Blotting

Image 2. WB Suggested Anti-PRDX6 Antibody Titration: 0.2-1 ug/ml Positive Control: Human Muscle