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Datasheet for ABIN7269240

anti-Peroxiredoxin 6 antibody

1 Image

Overview

Quantity:	100 µL
Target:	Peroxiredoxin 6 (PRDX6)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Peroxiredoxin 6 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Peroxiredoxin 6 Rabbit mAb
Immunogen:	A synthesized peptide derived from human Peroxiredoxin 6
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Peroxiredoxin 6 (PRDX6)
Alternative Name:	PRDX6 (PRDX6 Products)
Background:	The protein encoded by this gene is a member of the thiol-specific antioxidant protein family.

Target Details

This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell, it can reduce H₂O₂ 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. [provided by RefSeq, Jul 2008],1-Cys, AOP2, HEL-S-128m, NSGPx, PRX, aiPLA2, p29,Cancer,Cardiovascular,Cardiovascular diseases,Cardiovascular diseases_Heart disease,Cell Biology & Developmental Biology,Endocrine & Metabolism,Heart,Immunology & Inflammation,Lipid Metabolism,Mitochondrial metabolism,Mitochondrial metabolism_Mitochondrial markers,Signal Transduction,PRDX6

Molecular Weight: 25kDa

Gene ID: 9588

UniProt: [P30041](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

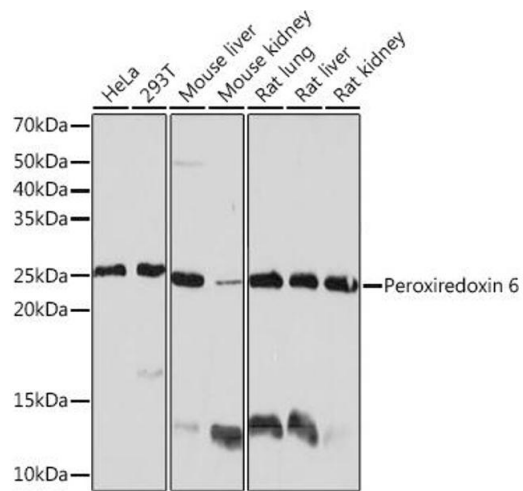
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Peroxiredoxin 6 Rabbit mAb (ABIN7269240) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.