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Datasheet for ABIN7101596
anti-Peroxiredoxin 5 antibody

1 Image

Overview

Quantity:	20 µL
Target:	Peroxiredoxin 5 (PRDX5)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Peroxiredoxin 5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A synthesized peptide derived from human Peroxiredoxin 5 (PRDX5) (PRDX5)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Peroxiredoxin 5 (PRDX5)
Alternative Name:	PRDX5 (PRDX5 Products)
Background:	This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant

Target Details

protective role in different tissues under normal conditions and during inflammatory processes. This protein interacts with peroxisome receptor 1. The crystal structure of this protein in its reduced form has been resolved to 1.5 angstrom resolution. This gene uses alternate in-frame translation initiation sites to generate mitochondrial or peroxisomal/cytoplasmic forms. Three transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008],ACR1, AOEB166, B166, HEL-S-55, PLP, PMP20, PRDX6, PRXV, SBBI10, prx-V,Apoptosis,Cell Biology & Developmental Biology,Cell Cycle,Cell Cycle_Cell differentiation,PRDX5

Molecular Weight: 17 kDa

Gene ID: 25824

UniProt: [P30044](#)

Pathways: [Cell RedoxHomeostasis](#)

Application Details

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

Restrictions: For Research Use only

Handling

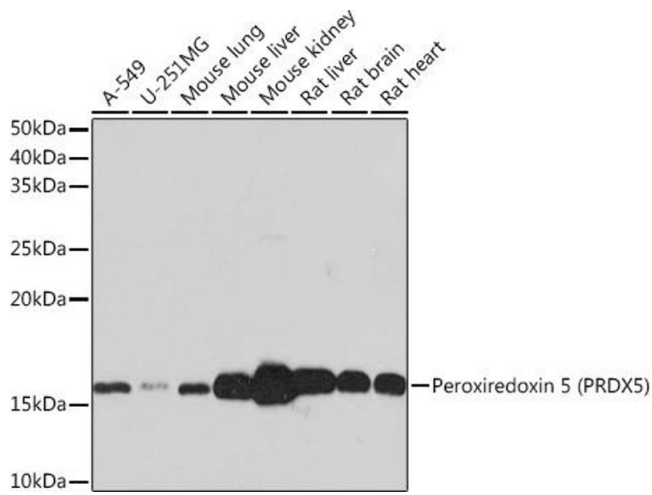
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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 5 (PRDX5) (PRDX5) Rabbit mAb (ABIN1680777, ABIN3018335, ABIN3018336 and ABIN7101596) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10148 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.