

Datasheet for ABIN1680777
anti-Peroxiredoxin 5 antibody



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1 Image

Overview

| | |
|--------------|------------------------------------------------|
| Quantity: | 100 µg |
| 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

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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

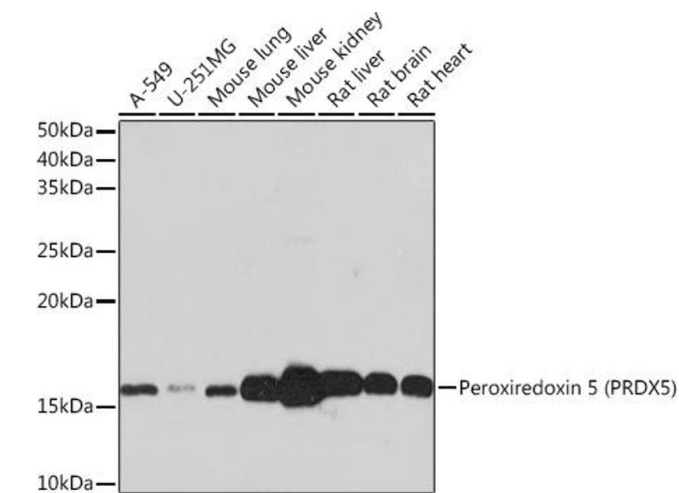
| | |
|-------------------|---------------------------------------|
| Molecular Weight: | 17 kDa |
| Gene ID: | 25824 |
| UniProt: | P30044 |
| Pathways: | Cell RedoxHomeostasis |

Application Details

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|--------------------|-----------------------|
| Application Notes: | WB,1:500 - 1:2000 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|------------------------------------------------------------------------------------------------------------------------|
| 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.