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# PRDX2 Antibody (Center) Blocking Peptide

**Synthetic peptide**
**Catalog # BP2925c**

## Specification

### PRDX2 Antibody (Center) Blocking Peptide - Product Information

| | |
|---|---|
| Primary Accession | P32119 |

### PRDX2 Antibody (Center) Blocking Peptide - Additional Information

**Gene ID** 7001

**Other Names**
Peroxiredoxin-2, Natural killer cell-enhancing factor B, NKEF-B, PRP, Thiol-specific antioxidant protein, TSA, Thioredoxin peroxidase 1, Thioredoxin-dependent peroxide reductase 1, PRDX2, NKEFB, TDPX1

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody <a href=/products/AP2925c>AP2925c</a> was selected from the Center region of human PRDX2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### PRDX2 Antibody (Center) Blocking Peptide - Protein Information

**Name** PRDX2

**Synonyms** NKEFB, TDPX1

**Function**
Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as sensor of hydrogen peroxide-mediated signaling events. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H(2)O(2).

**Cellular Location**
Cytoplasm.

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**PRDX2 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

**PRDX2 Antibody (Center) Blocking Peptide - Images**

**PRDX2 Antibody (Center) Blocking Peptide - Background**

PRDX2 is a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. This protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. The crystal structure of this protein has been resolved to 2.7 angstroms.

**PRDX2 Antibody (Center) Blocking Peptide - References**

Engstrom,K.S., et.al., Mutat. Res. (2009)