

Datasheet for ABIN2854854  
**anti-Peroxiredoxin 2 antibody**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µL
Target:	Peroxiredoxin 2 (PRDX2)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Peroxiredoxin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human PRX II. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Rabbit Polyclonal antibody to Peroxiredoxin 2 (peroxiredoxin 2) Peroxiredoxin 2 antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	Peroxiredoxin 2 (PRDX2)
Alternative Name:	peroxiredoxin 2 ( <a href="#">PRDX2 Products</a> )

## Target Details

**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 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. Transcript variants encoding distinct isoforms have been identified for this gene.

Cellular Localization: Cytoplasm

**Molecular Weight:** 22 kDa

**Gene ID:** 7001

**UniProt:** [P32119](#)

## Application Details

**Application Notes:** WB: 1:1000-1:10000. IHC-P: 1:100-1:1000. IHC-Fr: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

**Comment:** Positive Control: A549 , HCT116

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 0.44 mg/mL

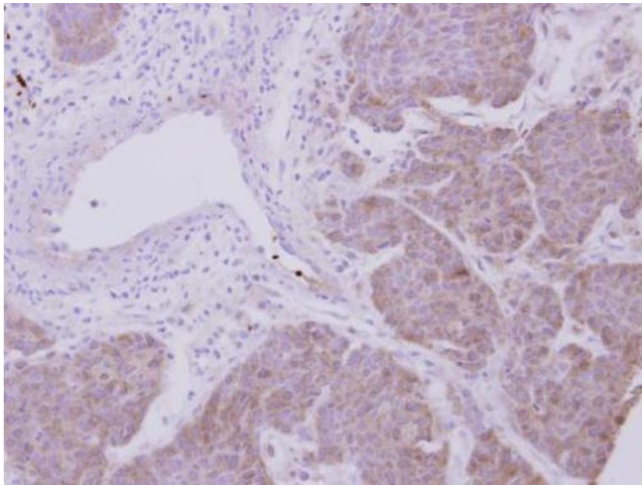
**Buffer:** 1XPBS ( pH 7), 20 % Glycerol, 0.025 % ProClin 300

**Preservative:** ProClin

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

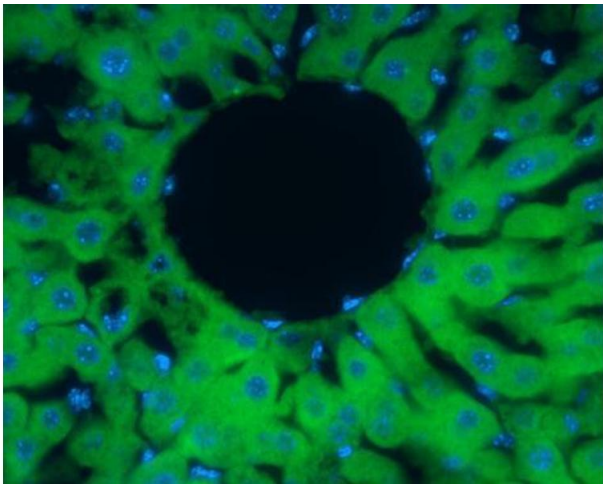
**Storage:** 4 °C,-20 °C

**Storage Comment:** Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



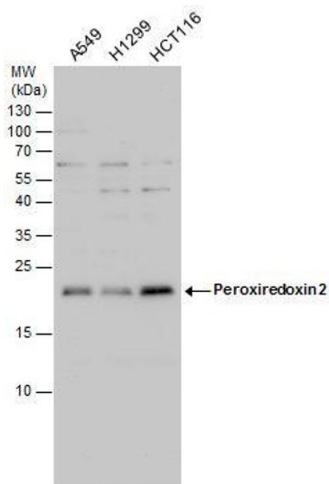
**Immunohistochemistry**

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded human breast cancer, using Peroxiredoxin 2, antibody at 1:500 dilution.



**Immunohistochemistry**

**Image 2.** IHC-Fr Image Peroxiredoxin 2 antibody detects Peroxiredoxin 2 protein at cytoplasm in rat liver by immunohistochemical analysis. Sample: Frozen section of rat liver. Peroxiredoxin 2 antibody , diluted at 1:200.



**Western Blotting**

**Image 3.** WB Image Peroxiredoxin 2 antibody detects Peroxiredoxin 2 protein by western blot analysis. Various whole cell extracts (30 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with Peroxiredoxin 2 antibody , diluted by 1:1000.