

Product datasheet for **TA346601**

Peroxiredoxin 2 (PRDX2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PRDX2 antibody: synthetic peptide directed towards the middle region of human PRDX2. Synthetic peptide located within the following region: VLGVSVD SQFTHLAWINTPRKEGGLGPLNIPLLADVTRRLSE DYGLKTD
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	22 kDa
Gene Name:	peroxiredoxin 2
Database Link:	NP_005800 Entrez Gene 7001 Human P32119

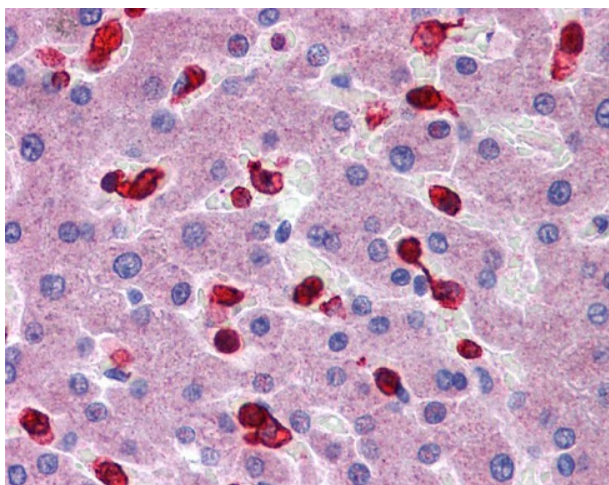


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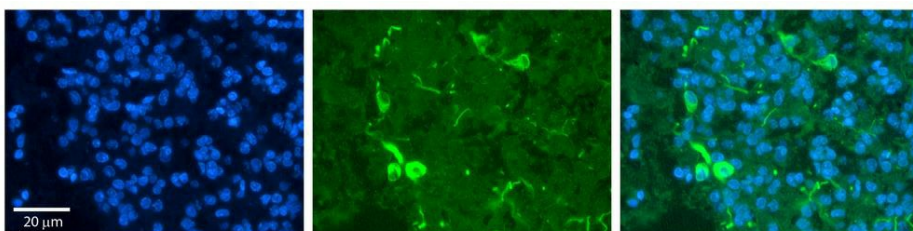
- Background:** This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein plays an antioxidant protective role in cells, and it may contribute to the antiviral activity of CD8(+) T-cells. The crystal structure of this protein has been resolved to 2.7 angstroms. This protein prevents hemolytic anemia from oxidative stress by stabilizing hemoglobin, thus making this gene a therapeutic target for patients with hemolytic anemia. This protein may have a proliferative effect and play a role in cancer development or progression. Related pseudogenes have been identified on chromosomes 5, 6, 10 and 13. [provided by RefSeq, Mar 2013]
- Synonyms:** HEL-S-2a; NKEF-B; NKEFB; PRP; PRX2; PRXII; PTX1; TDPX1; TPX1; TSA
- Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Goat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Sheep: 100%; Bovine: 100%; Guinea pig: 100%; Yeast: 92%; Rabbit: 79%; Zebrafish: 79%
- Protein Families:** Druggable Genome

Product images:

WB Suggested Anti-PRDX2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive Control: Hela cell lysate. PRDX2 is supported by BioGPS gene expression data to be expressed in HeLa



Liver



Rabbit Anti-PRDX2 Antibody; Formalin Fixed Paraffin Embedded Tissue: Human Pineal Tissue; Observed Staining: Cytoplasmic in cell bodies and processes of pinealocytes; Primary Antibody Concentration: 1: 100; Other Working Concentrations: 1/600; Secondary Antibody: Donkey anti-Rabbit-Cy3; Secondary Antibody Concentration: 1: 200; Magnification: 20X; Exposure Time: 0.5–2.0 sec;