

Product datasheet for **TA322471**

Peroxiredoxin 3 (PRDX3) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB: 500-2000 WB positive control: Hela, 293T and MCF7 cells, human fetal brain tissue and Jurkat cells IHC: 50-200 Positive control: Human breast cancer Predicted cell location: Cytoplasm |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Fusion protein corresponding to a region derived from 63-256 amino acids of human peroxiredoxin 3 |
| Formulation: | PBS pH7.3, 0.05% NaN ₃ , 50% glycerol |
| Concentration: | lot specific |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 28 kDa |
| Gene Name: | peroxiredoxin 3 |
| Database Link: | NP_006784 Entrez Gene 11757 Mouse Entrez Gene 64371 Rat Entrez Gene 10935 Human P30048 |



[View online »](#)

Background:

This gene encodes a protein with antioxidant function and is localized in the mitochondrion. This gene shows significant nucleotide sequence similarity to the gene coding for the C22 subunit of Salmonella typhimurium alkylhydroperoxide reductase. Expression of this gene product in E. coli deficient in the C22-subunit gene rescued resistance of the bacteria to alkylhydroperoxide. The human and mouse genes are highly conserved, and they map to the regions syntenic between mouse and human chromosomes. Sequence comparisons with recently cloned mammalian homologues suggest that these genes consist of a family that is responsible for regulation of cellular proliferation, differentiation, and antioxidant functions. Two transcript variants encoding two different isoforms have been found for this gene.

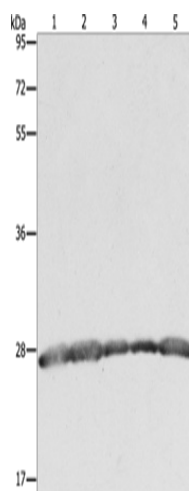
Synonyms:

AOP-1; AOP1; HBC189; MER5; PRO1748; prx-III; SP-22

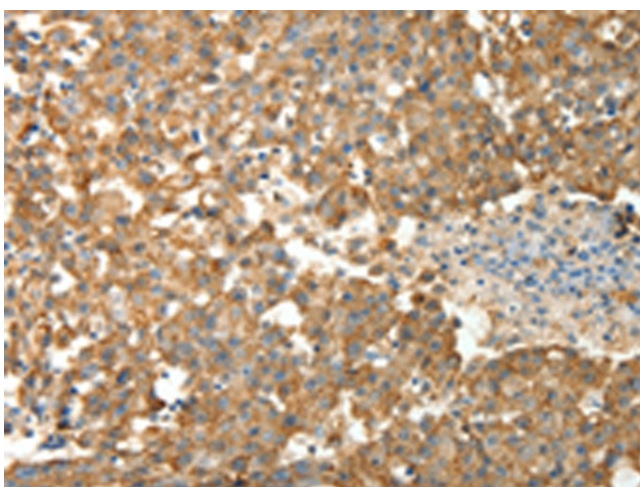
Protein Families:

Transcription Factors

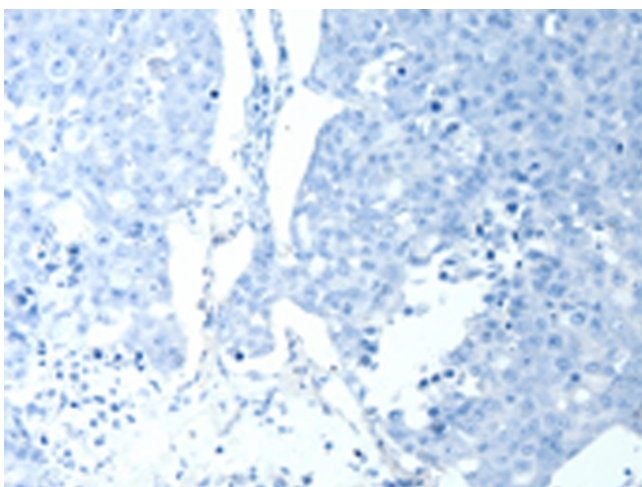
Product images:



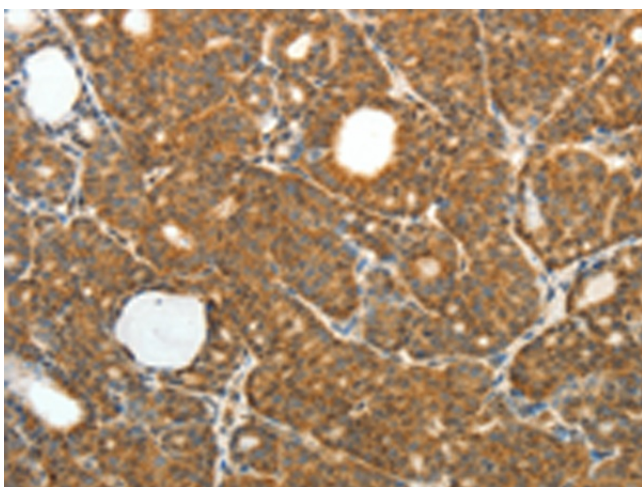
Gel: 10%SDS-PAGE
 Lysate: 40 µg
 Lane 1-5: Hela cells
 293T cells
 MCF7 cells
 human fetal brain tissue
 Jurkat cells
 Primary antibody: TA322471 (PRDX3 Antibody) at dilution 1/800
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
 Exposure time: 2 seconds



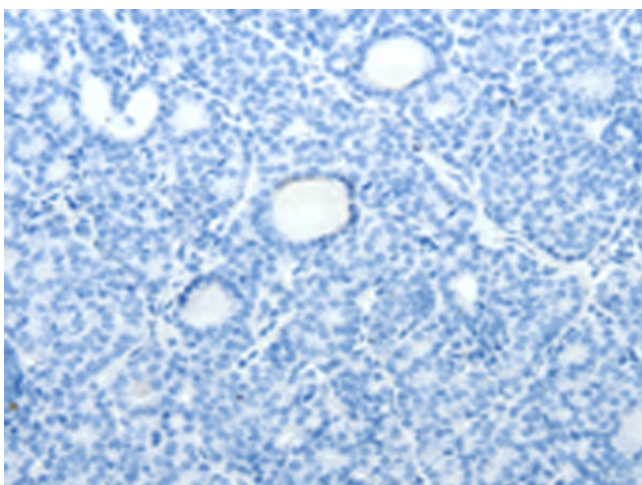
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA322471 (PRDX3 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA322471 (PRDX3 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA322471 (PRDX3 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA322471 (PRDX3 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)