

Product datasheet for **TA324139**

Peroxiredoxin 1 (PRDX1) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB: 200-1000 WB positive control: Mouse liver tissue, NIH/3T3, RAW264.7, 293T, K562, Jurkat and hela cells IHC: 25-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide peptide corresponding to a region derived from 103-115 amino acids of human peroxiredoxin 1 |
| 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: | 22 kDa |
| Gene Name: | peroxiredoxin 1 |
| Database Link: | NP_001189360 Entrez Gene 18477 Mouse Entrez Gene 117254 Rat Entrez Gene 5052 Human Q06830 |



[View online »](#)

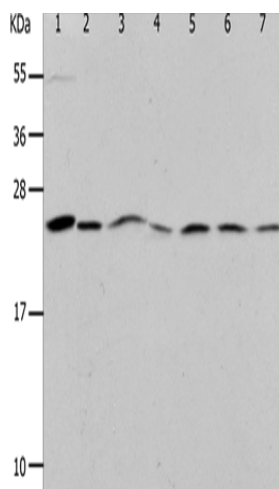
Background:

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. Four transcript variants encoding the same protein have been identified for this gene.?

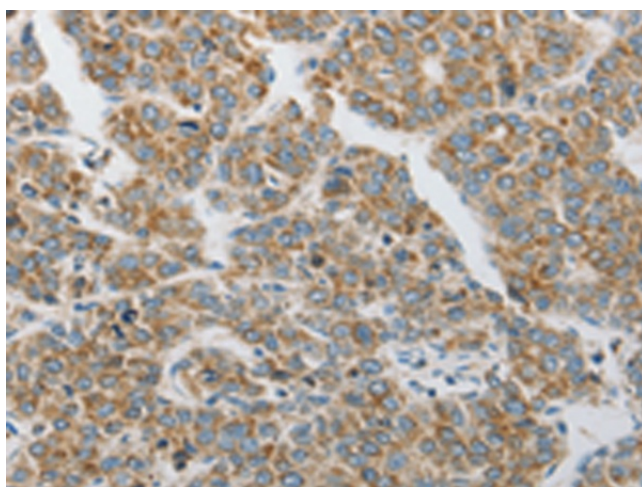
Synonyms:

MSP23; NKEF-A; NKEFA; PAG; PAGA; PAGB; PRX1; PRXI; TDPX2

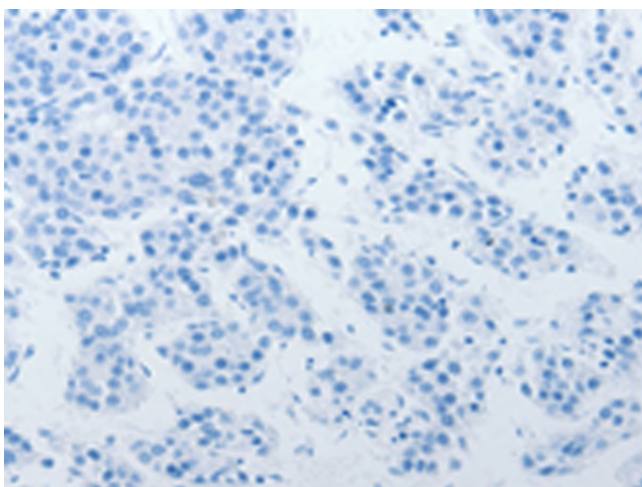
Product images:



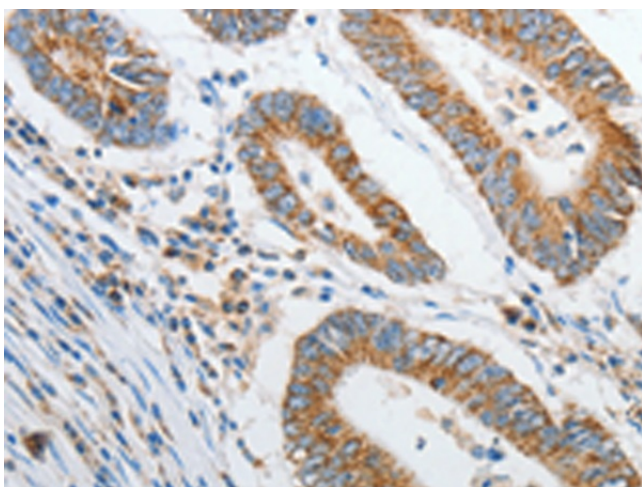
Gel: 12%SDS-PAGE
 Lysate: 40 µg
 Lane 1-7: Mouse liver tissue
 NIH/3T3 cells
 RAW264.7 cells
 293T cells
 K562 cells
 Jurkat cells
 hela cells
 Primary antibody: TA324139 (PRDX1 Antibody) at dilution 1/400
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
 Exposure time: 50 seconds



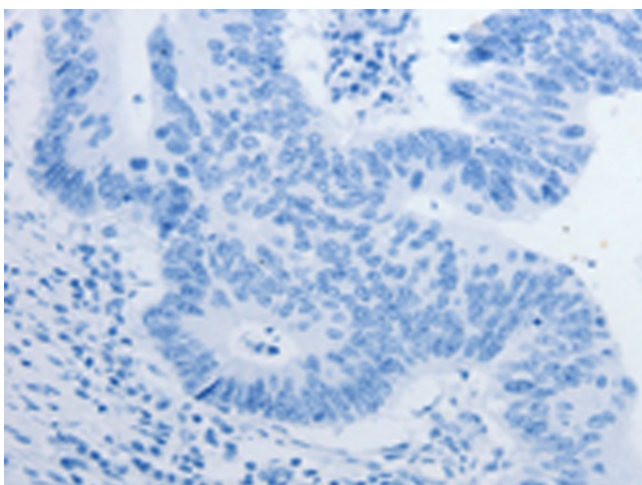
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA324139 (PRDX1 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA324139 (PRDX1 Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA324139 (PRDX1 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA324139 (PRDX1 Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: ×200)