

Product datasheet for **TA371750S**

Peroxiredoxin 4 (PRDX4) Rabbit Polyclonal Antibody

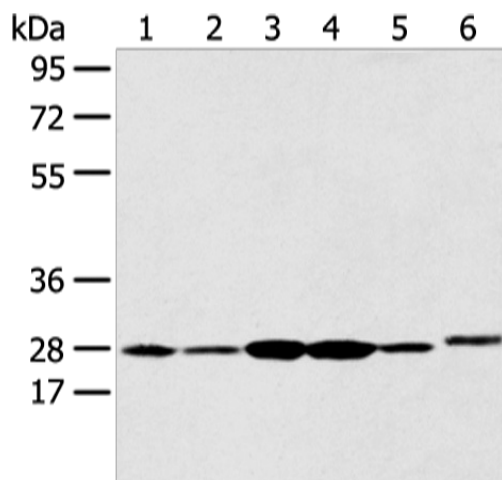
Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: MCF-7, K562, HepG2, 293T, Raji and HeLa cell IHC: 20-100 Positive control: Human tonsil Predicted cell location: Cytoplasm and Cell membrane
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human PRDX4
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	30 kDa
Gene Name:	peroxiredoxin 4
Database Link:	Entrez Gene 10549 Human Q13162
Background:	The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. This protein has been found to play a regulatory role in the activation of the transcription factor NF-kappaB.
Synonyms:	AOE37-2; PRX-4; Prx-IV

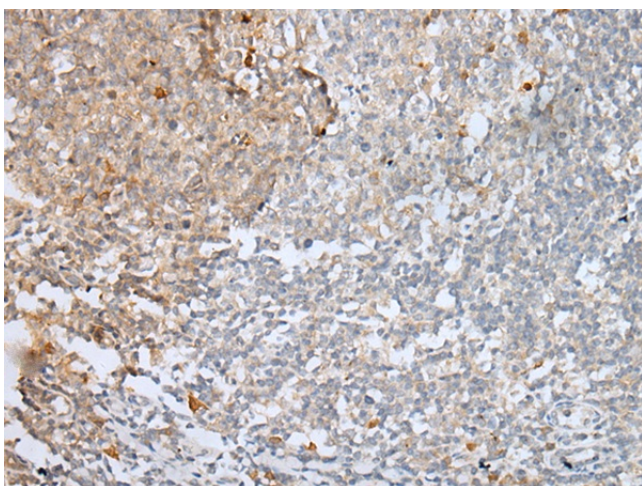


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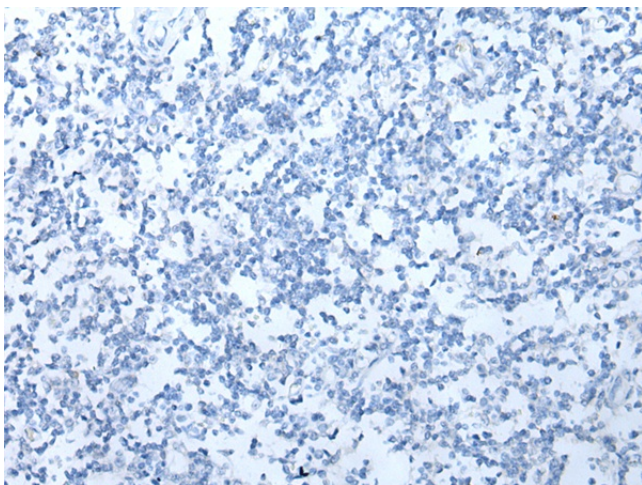
Product images:



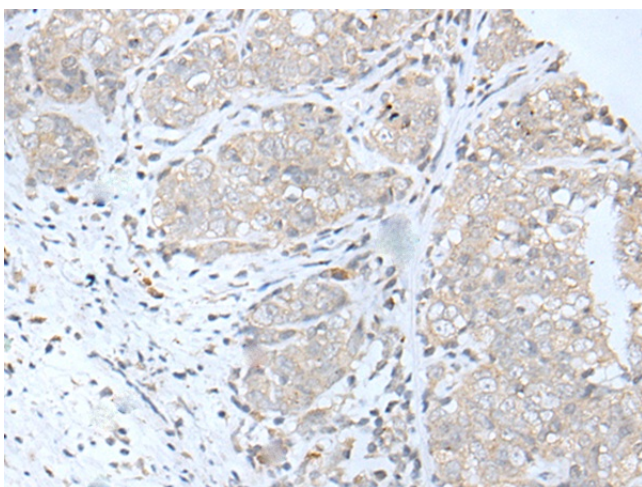
Gel: 8%SDS-PAGE
Lysate: 40 μ g
Lane 1-6: MCF-7
K562
HepG2
293T
Raji and HeLa cell
Primary antibody: [TA371750] (PRDX4 Antibody)
at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 30S



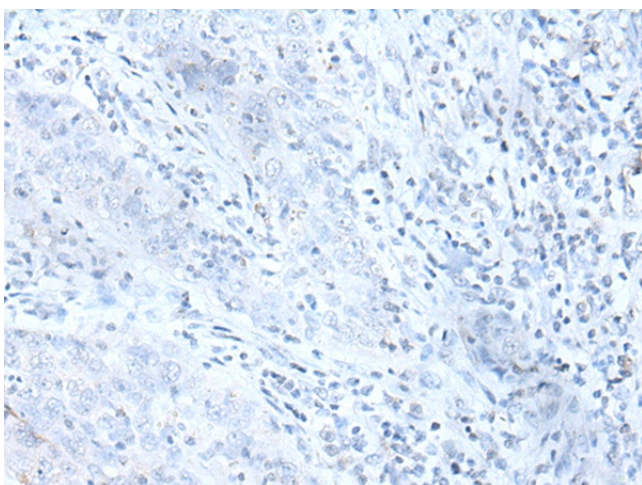
Immunohistochemistry of paraffin-embedded
Human tonsil tissue using [TA371750] (PRDX4
Antibody) at dilution 1/20 (Original magnification:
 \times 200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA371750] (PRDX4 Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA371750] (PRDX4 Antibody) at dilution 1/20 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA371750] (PRDX4 Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: $\times 200$)