

Product datasheet for **TA367521**

Peroxiredoxin 4 (PRDX4) Rabbit Polyclonal Antibody

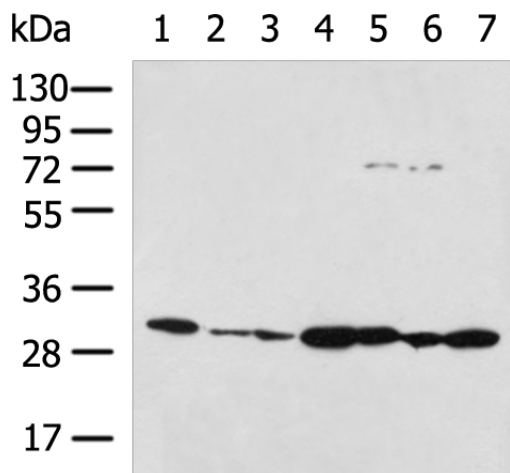
Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Hela, Jurkat, Raji, 293T, HepG2, K562, MCF-7 cell lysates IHC: 50-200 Positive control: Human tonsil Predicted cell location: Cytoplasm
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:	31 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 µg

Lane 1-7: Hela

Jurkat

Raji

293T

HepG2

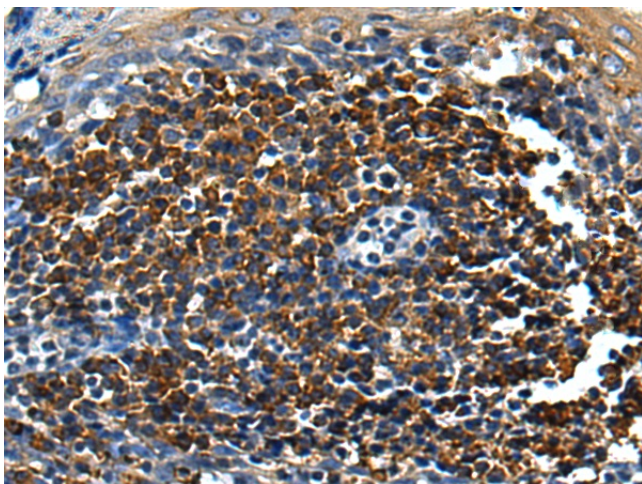
K562

MCF-7 cell lysates

Primary antibody: TA367521 (PRDX4 Antibody) at dilution 1/800

Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution

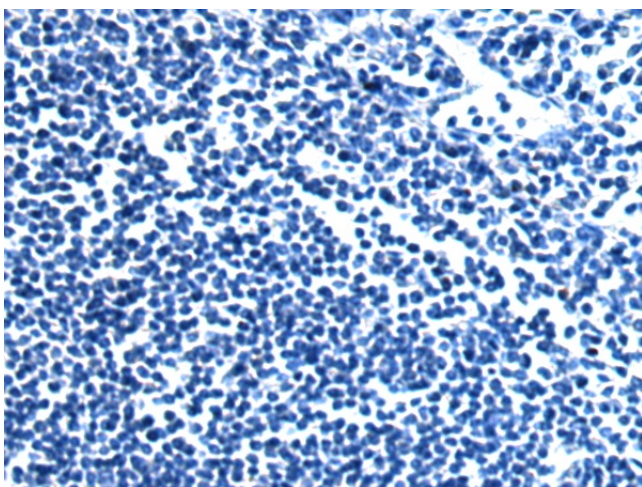
Exposure time: 10 seconds



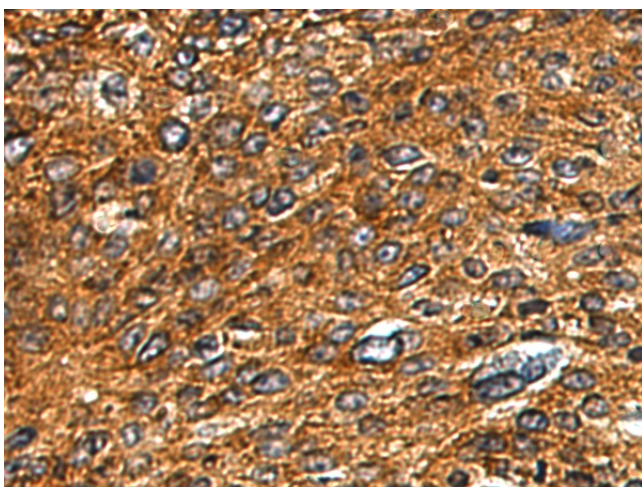
Immunohistochemistry of paraffin-embedded

Human tonsil tissue using TA367521 (PRDX4

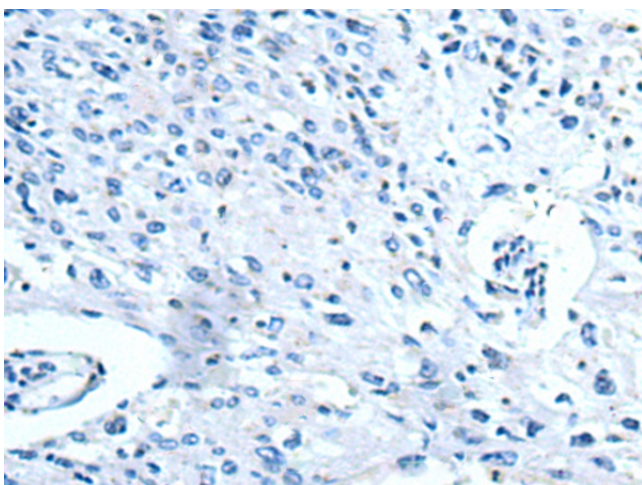
Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA367521 (PRDX4 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA367521 (PRDX4 Antibody) at dilution 1/40 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA367521 (PRDX4 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: $\times 200$)