

Anti-PRDX4 antibody

Cat. No.	ml262823
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-PRDX4 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human PRDX4
Reactivity	Human, Mouse, Rat
Content	0.6 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	PRDX4
Full name	peroxiredoxin 4

Synonyms PRX-4; AOE372; AOE37-2; HEL-S-97n

Swissprot Q13162

Target 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.

Applications

Immunohistochemistry

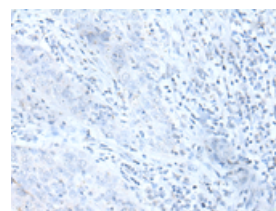
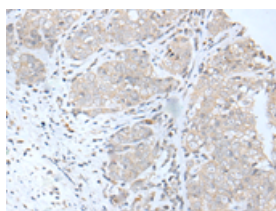
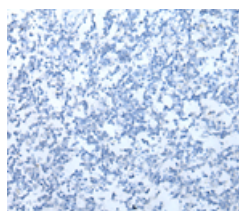
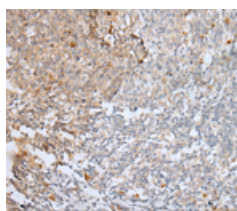
Predicted cell location: Cytoplasm and Cell membrane

Positive control: Human esophagus cancer

Positive control: Human tonsil

Recommended dilution: 20-100

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The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using ml262823(PRDX4 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml262823(PRDX4 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size: 30 kDa

Positive control: MCF-7, K562, HepG2, 293T, Raji and Hela cell

Recommended dilution: 200-1000

Gel: 8%SDS-PAGE

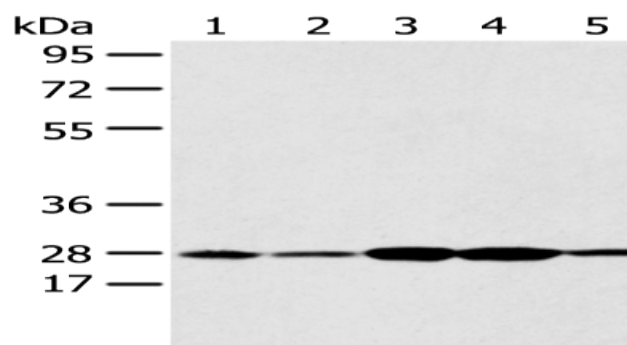
Lysate: 40 μ g

Lane 1-6: MCF-7, K562, HepG2, 293T, Raji and Hela cell

Primary antibody: ml262823(PRD4 Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 30S



ELISA

Recommended dilution: 5000-10000

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