

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## PRDX4 RABBIT PAB

Cat.#: S221294

**Product Name:** Anti-PRDX4 Rabbit Polyclonal Antibody

**Synonyms:** PRX-4; AOE372; AOE37-2; HEL-S-97n **UNIPROT ID:** Q13162 (Gene Accession - NP\_006397)

**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.

Immunogen: Synthetic peptide of human PRDX4

**Applications:** ELISA, WB, IHC

Recommended Dilutions: IHC: 25-100;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse, Rat

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

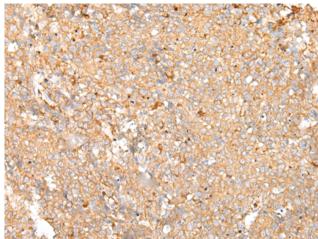
Research Areas: Cell Biology

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

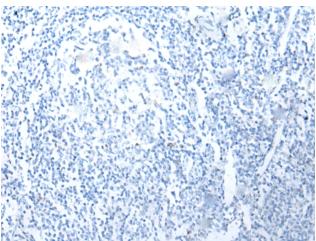


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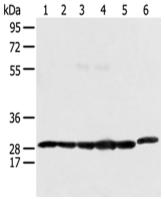
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Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 221294(PRDX4 Antibody) at a dilution of 1/25(Cytoplasm and Cell membrane).



In comparision with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the synthetic peptide and then with 221294(Anti-PRDX4 Antibody) at dilution 1/25.



Gel: 8%SDS-PAGE, Lysate: 40 µg;

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

Hela cell;

Primary antibody: 221294(PRDX4 Antibody) at

dilution 1/400;

Secondary antibody: Goat anti rabbit IgG at

1/8000 dilution;

Exposure time: 4 seconds