

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **PRDX5 RABBIT PAB**

Cat.#: S216745

**Product Name:** Anti-PRDX5 Rabbit Polyclonal Antibody

**Synonyms:** PLP; ACR1; B166; PRXV; PMP20; PRDX6; SBBI10; AOEB166

UNIPROT ID: P30044 (Gene Accession - BC113723)

**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 different tissues under normal conditions and during inflammatory processes. This protein interacts with peroxisome receptor 1. The crystal structure of this protein in its reduced form has been resolved to 1.5 angstrom resolution. This gene uses alternate in-frame translation initiation sites to generate mitochondrial or peroxisomal/cytoplasmic forms. Three transcript variants encoding distinct isoforms have been identified for this gene.

Immunogen: Fusion protein of human PRDX5

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 2000-5000

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

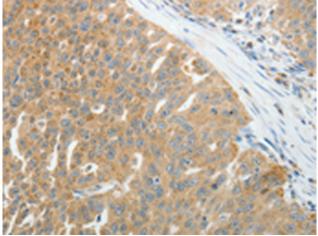
Research Areas: Cancer

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

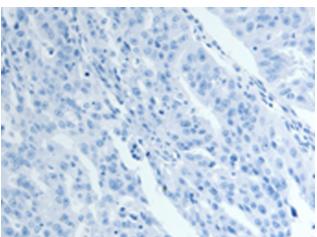


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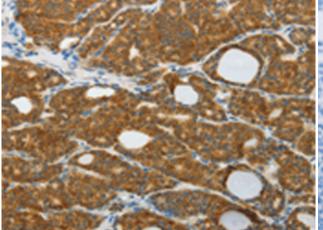
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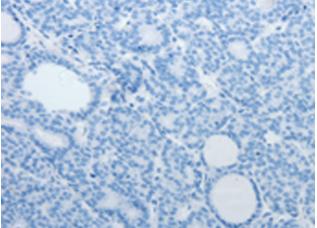
Immunohistochemistry analysis of paraffin embedded Human ovarian cancer tissue using 216745(PRDX5 Antibody) at a dilution of 1/25(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with the fusion protein and then with 216745(Anti-PRDX5 Antibody) at dilution 1/25.



The image on the left is immunohistochemistry of paraffinembedded Human thyroid cancer tissue using 216745(Anti-PRDX5 Antibody) at a dilution of 1/25.



In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with fusion protein and then with D221158(Anti-PRDX5 Antibody) at dilution 1/25.