

## PRDX5 RABBIT PAB

**Cat.#:** S216745

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

**Synonyms:** PLP; ACRI; B166; PRXV; PMP20; PRDX6; SBB110; 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

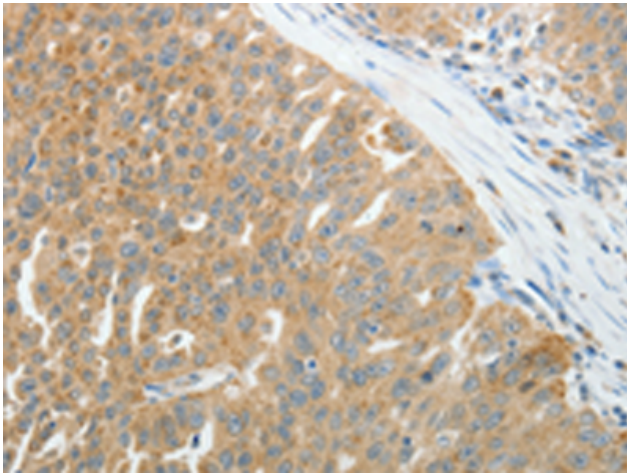
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

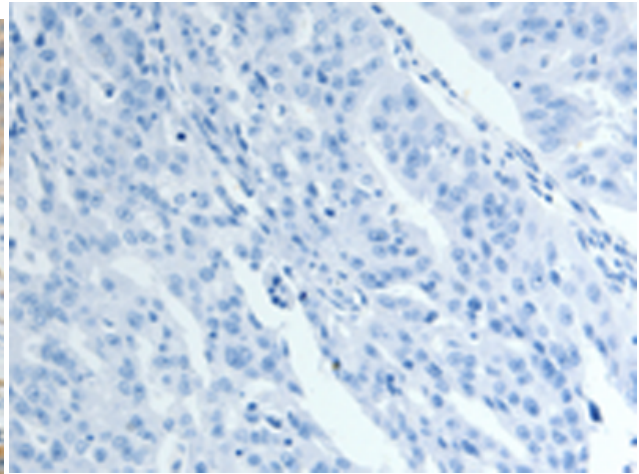
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Cancer

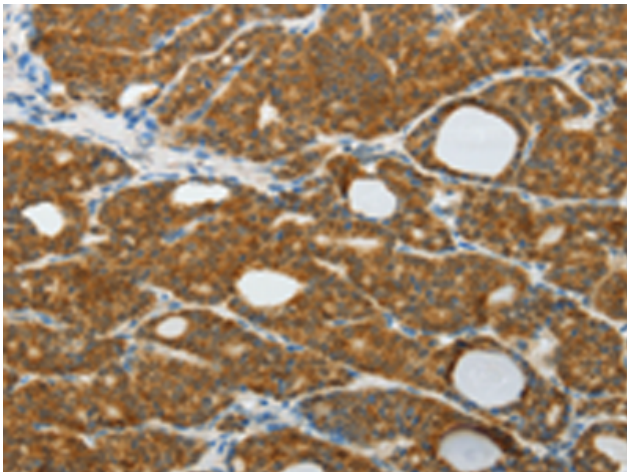
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



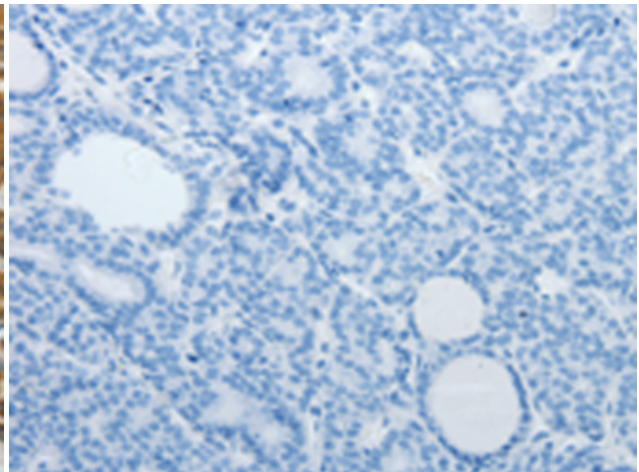
Immunohistochemistry analysis of paraffin embedded Human ovarian cancer tissue using 216745 (PRDX5 Antibody) at a dilution of 1/25 (Cytoplasm).



In comparison 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 paraffin-embedded Human thyroid cancer tissue using 216745 (Anti-PRDX5 Antibody) at a dilution of 1/25.



In comparison 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.