

## Product datasheet for **TA321806**

### Peroxiredoxin 5 (PRDX5) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 56-214 amino acids of human peroxiredoxin 5
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	peroxiredoxin 5
Database Link:	<a href="#">NP_036226</a> <a href="#">Entrez Gene 54683 Mouse</a> <a href="#">Entrez Gene 113898 Rat</a> <a href="#">Entrez Gene 25824 Human</a> <a href="#">P30044</a>



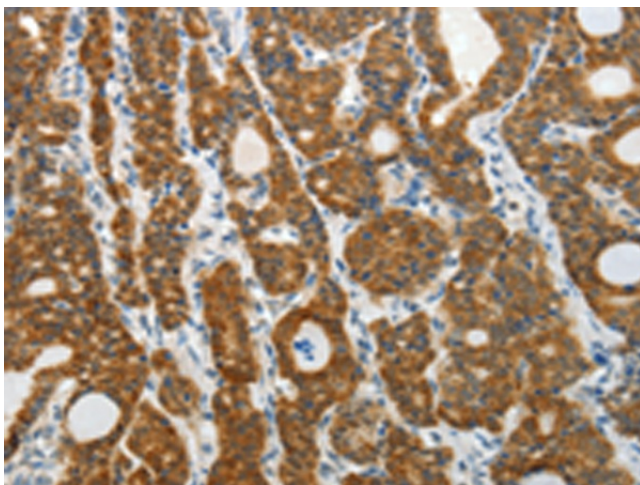
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**Background:** This gene encodes a member of the peroxiredoxin family of antioxidant enzymes; which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in different tissues under normal conditions 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.

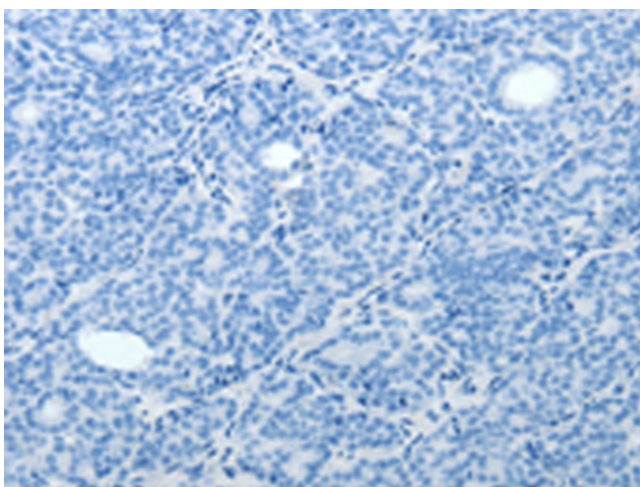
**Synonyms:** ACR1; AOEB166; B166; HEL-S-55; PLP; PMP20; PRDX6; prx-V; PRXV; SBBI10

**Protein Families:** Druggable Genome

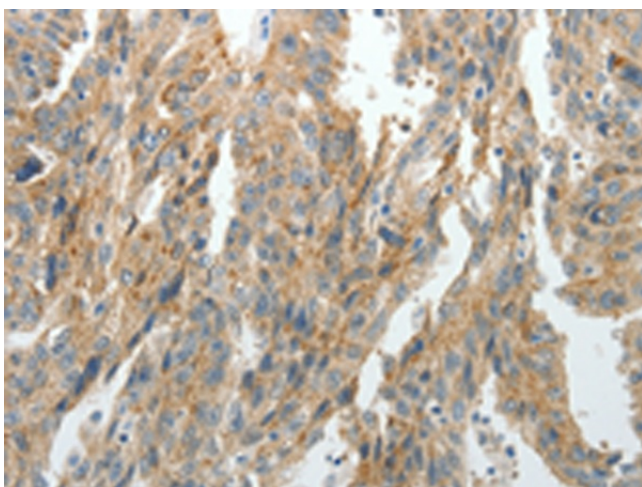
### Product images:



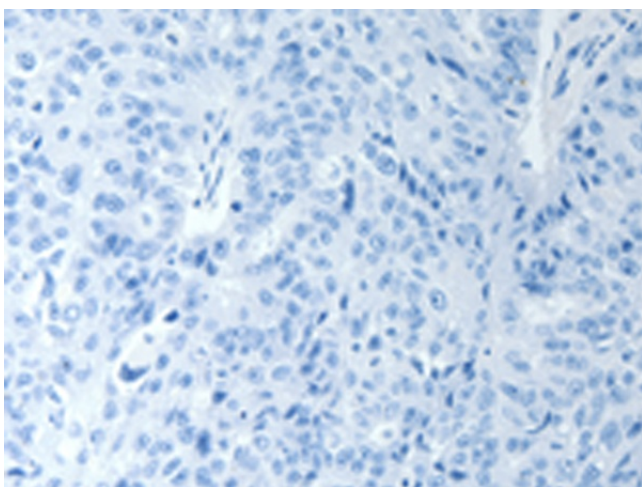
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA321806 (PRDX5 Antibody) at dilution 1/40 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA321806 (PRDX5 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321806 (PRDX5 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321806 (PRDX5 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: ×200)