

Product datasheet for TA334428

Peroxiredoxin 5 (PRDX5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
lsotype:	lgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PRDX5 antibody: synthetic peptide directed towards the middle region of human PRDX5. Synthetic peptide located within the following region: TDLLLDDSLVSIFGNRRLKRFSMVVQDGIVKALNVEPDGTGLTCSLAPNI
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	14 kDa
Gene Name:	peroxiredoxin 5
Database Link:	<u>NP_857635</u> <u>Entrez Gene 25824 Human</u> <u>P30044</u>





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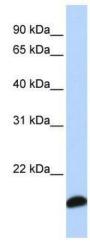
OriGene Technologies, Inc.

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	Peroxiredoxin 5 (PRDX5) Rabbit Polyclonal Antibody – TA334428
Background:	PRDX5 is 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. 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
Note:	lmmunogen Sequence Homology: Human: 100%; Pig: 93%; Rat: 93%; Horse: 93%; Mouse: 93%; Dog: 86%; Goat: 79%; Sheep: 79%; Guinea pig: 79%
Protein Families	Druggable Genome
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Product images:

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WB Suggested Anti-PRDX5 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 12500; Positive Control: Human Lung

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