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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54832_P050-Biotin
Product Page	www.avivasysbio.com/prdx5-antibody-middle-region-biotin-arp54832-p050-biotin.html
Name	PRDX5 Antibody - middle region : Biotin (ARP54832_P050-Biotin)
Protein Size (# AA)	125 amino acids
Molecular Weight	14kDa
Conjugation	Biotin
NCBI Gene Id	25824
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Peroxiredoxin 5
Alias Symbols	PLP, ACRI1, B166, PRXV, PMP20, PRDX6, prx-V, SBBI10, AOEB166, HEL-S-55
Peptide Sequence	Synthetic peptide located within the following region: TDLLDDSLVSIFGNRRLKRFESMVVQDGIVKALNVEPDGTGLTCSLAPNI
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Trujillo,M., (2007) Arch. Biochem. Biophys. 467 (1), 95-106
Description of Target	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.
Protein Interactions	UBC; MDM2; WWOX; ATF2; PEX5; TOMM40; PRDX6; STAM; SUMO1; UBE2B; UBE2A; PRDX2; VAMP2; SOD1; RPS12; RAD23B; PTMS; PRDX1; MDH1; IGBP1; APP; ZFYVE19; PSRC1; GINS4; UBAP2; PTPN23; PTGR1; PARK7; IFT27; SEC24A; SSSCA1; ICT1; BABAM1; CCDC90B;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-PRDX5 (ARP54832_P050-Biotin) antibody
Blocking Peptide	For anti-PRDX5 (ARP54832_P050-Biotin) antibody is Catalog # AAP54832 (Previous Catalog # AAPP31636)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PRDX5
Uniprot ID	B7ZVW3
Protein Name	Peroxiredoxin 5 EMBL AAI71733.1
Protein Accession #	NP_857635
Purification	Affinity Purified
Nucleotide Accession #	NM_181652
Gene Symbol	PRDX5

Predicted Species Reactivity	Human, Mouse, Rat, Dog, Goat, Guinea Pig, Horse, Pig, Sheep
Application	WB
Predicted Homology Based on Immunogen Sequence	Dog: 86%; Goat: 79%; Guinea Pig: 79%; Horse: 93%; Human: 100%; Mouse: 93%; Pig: 93%; Rat: 93%; Sheep: 79%
Image 1	 A schematic diagram of a Y-shaped antibody molecule. It consists of two heavy chains (inner lines) and two light chains (outer lines) joined at their C-termini. The N-termini of the light chains are extended outwards, forming the two antigen-binding arms of the antibody.

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Optimal conditions of its use should be determined by end users.

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