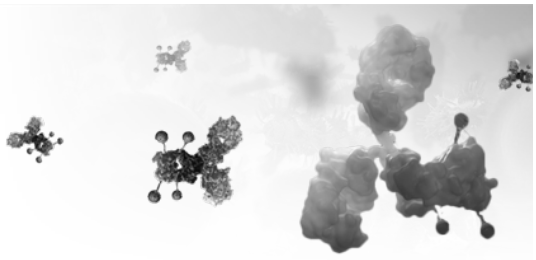

Anti-PRDX5 (aa 105-214) polyclonal antibody (DPAB-DC1243)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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	PRDX5 (NP_036226, 105 a.a. ~ 214 a.a) partial recombinant protein with GST tag. The sequence is LPGFVEQAEALKAKGVQVVACLSVNDAFVTGEWGRAHKAEGKVRLLADPTGAFGKETDLL LDDSLVSIFGNRRLKRFSMVVQDGIVKALNVEPDGTGLTCSLAPNIISQL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Gene Name	PRDX5 peroxiredoxin 5 [Homo sapiens (human)]
Official Symbol	PRDX5
Synonyms	PRDX5; peroxiredoxin 5; PLP; ACR1; B166; PRXV; PMP20; PRDX6; prx-V; SBBI10; AOEB166; HEL-S-55; peroxiredoxin-5, mitochondrial; TPx type VI; peroxiredoxin V; Alu co-repressor 1; thioredoxin reductase; antioxidant enzyme B166; thioredoxin peroxidase PMP20; liver tissue 2D-page spot 71B; peroxisomal antioxidant enzyme; epididymis secretory protein Li 55;
Entrez Gene ID	25824
Protein Refseq	NP_036226
UniProt ID	P30044
Chromosome Location	11q13
Pathway	Cellular responses to stress; Peroxisome; Selenium Pathway;
Function	RNA polymerase III regulatory region DNA binding; antioxidant activity; cysteine-type endopeptidase inhibitor activity involved in apoptotic process; peroxidase activity

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221