

PRX III Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP07437
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human PRX III. AA range:44-93
Mol wt	27693
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	PRX III Antibody
Synonyms	PRDX3; AOP1; Thioredoxin-dependent peroxide reductase; mitochondrial; Antioxidant protein 1; AOP-1; HBC189; Peroxiredoxin III; Prx-III; Peroxiredoxin-3; Protein MER5 homolog

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

PRDX3 encodes a mitochondrial protein with antioxidant function. Peroxiredoxin 3 is similar to the C22 subunit of Salmonella typhimurium alkylhydroperoxide reductase, and it can rescue bacterial resistance to alkylhydroperoxide in E.coli that lack the C22 subunit. The human and mouse genes are highly conserved, and they map to the regions syntenic between mouse and human chromosomes. Sequence comparisons with recently cloned mammalian homologs suggest that these genes consist of a family that is responsible for the regulation of cellular proliferation, differentiation and antioxidant functions. This family member can protect cells from oxidative stress, and it can promote cell survival in prostate cancer. Alternative splicing of PRDX3 results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1, 3, 13 and 22.

Recommended Dilution

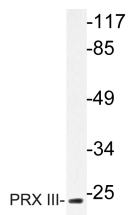
WB: 1: 500 - 1: 2000

ELISA: 1: 20000

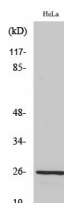
IHC-p: 1: 50 - 300

Not yet tested in other applications.

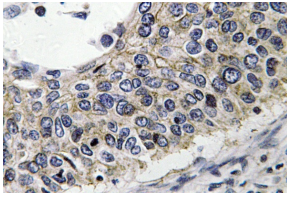
Images



Western blot analysis of lysate from HeLa cells, using PRX III antibody.



Western Blot analysis of various cells using PRX III Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of PRX III antibody in paraffin-embedded human lung carcinoma tissue.

Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com