antibodies

Datasheet for ABIN3032188 anti-Peroxiredoxin 3 antibody (AA 239-256)





Overview

Quantity:	100 µg
Target:	Peroxiredoxin 3 (PRDX3)
Binding Specificity:	AA 239-256
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Peroxiredoxin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 239-256 (TIKPSPAASKEYFQKVNQ-human) were used as the immunogen for this Peroxiredoxin 3 antibody.
lsotype:	lgG
Purification:	Antigen affinity

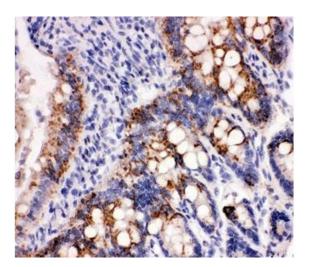
Target Details

Target:	Peroxiredoxin 3 (PRDX3)
Abstract:	PRDX3 Products
Background:	Peroxiredoxin 3 is a mitochondrial protein belonging to the AhpC/TSA family. Expression of
	PRDX3 is induced by MYC and is reduced in c-myc -/- cells. Chromatin immunoprecipitation

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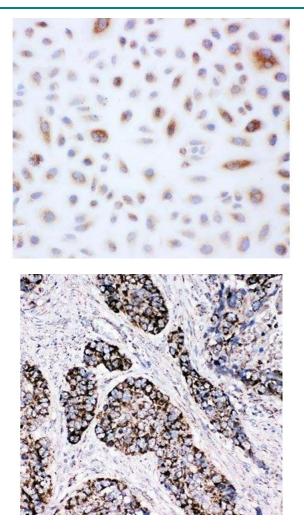
	analysis spanning the entire PRDX3 genomic sequence revealed that MYC binds preferentially to a 930-bp region surrounding exon 1. Results using mitochondria-specific fluorescent probes demonstrated that Peroxiredoxin 3 is essential for maintaining mitochondrial mass and membrane potential in transformed rat and human cells.
UniProt:	P30048
Pathways:	Ribonucleoside Biosynthetic Process, Methionine Biosynthetic Process
Application Details	
Application Notes:	Titration of the Peroxiredoxin 3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 μ g/mL,IMC (Paraffin): 0.5-1 μ g/mL,Immunocytochemistry: 0.5-1 μ g/mL
Restrictions:	For Research Use only
Handling	
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	The lyophilized Peroxiredoxin 3 antibody can be stored at 4°C to -20°C. After reconstitution, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Immunohistochemistry

Image 1. Peroxiredoxin 3 antibody and rat intestine tissue tested by IHC-P



Immunohistochemistry

Image 2. Peroxiredoxin 3 antibody and A549 cells tested by ICC

Immunohistochemistry

Image 3. Peroxiredoxin 3 antibody and human lung cancer tissue tested by IHC-P

Please check the product details page for more images. Overall 6 images are available for ABIN3032188.