

# Peroxiredoxin 5 Rabbit mAb

Catalog # AP75896

## Product Information

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<b>Application</b>	WB, IHC-P, IP
<b>Primary Accession</b>	<a href="#">P30044</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	22086

## Additional Information

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<b>Gene ID</b>	25824
<b>Other Names</b>	PRDX5
<b>Dilution</b>	WB~~1:500-1:1000 IHC-P~~N/A IP~~1:20
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	PRDX5 ( <a href="#">HGNC:9355</a> )
<b>Synonyms</b>	ACR1
<b>Function</b>	Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as sensor of hydrogen peroxide-mediated signaling events.
<b>Cellular Location</b>	[Isoform Mitochondrial]: Mitochondrion
<b>Tissue Location</b>	Widely expressed..

## Background

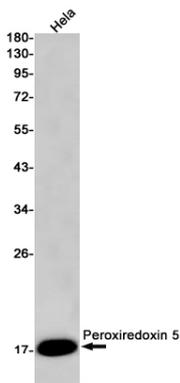
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Reduces hydrogen peroxide and alkyl hydroperoxides with reducing equivalents provided through the

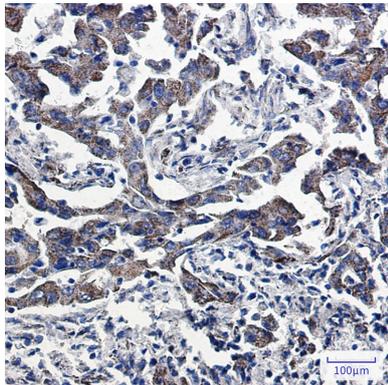
thioredoxin system. Involved in intracellular redox signaling.

## Images

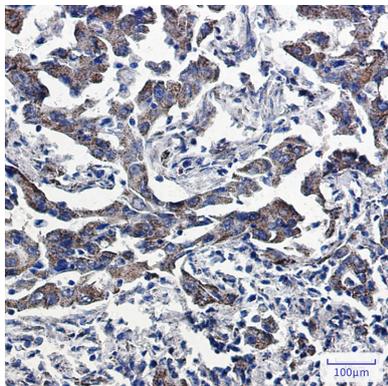
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Western blot analysis of Peroxiredoxin 5 in HeLa lysates using Peroxiredoxin 5 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Peroxiredoxin 5 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.