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Peroxiredoxin 5 Rabbit mAb

Catalog # AP75896

Product Information

Application	WB, IHC-P, IP
Primary Accession	P30044
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	22086

Additional Information

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

Protein Information

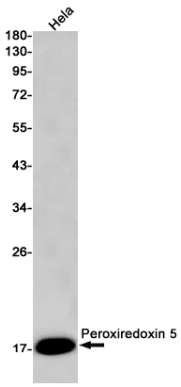
Name	PRDX5 (HGNC:9355)
Synonyms	ACR1
Function	Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as sensor of hydrogen peroxide-mediated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

Background

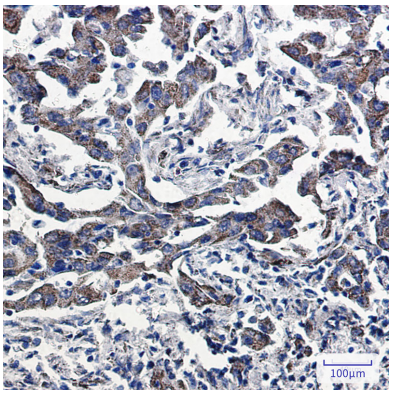
Reduces hydrogen peroxide and alkyl hydroperoxides with reducing equivalents provided through the

thioredoxin system. Involved in intracellular redox signaling.

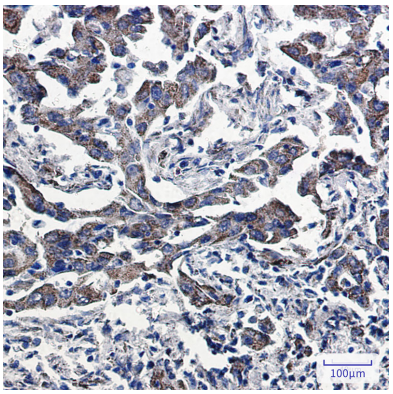
Images



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'.