

ARG59455 anti-Peroxiredoxin 6 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Peroxiredoxin 6
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Peroxiredoxin 6
Species	Human
Immunogen	Recombinant protein corresponding to E15-P224 of Human Peroxiredoxin 6.
Conjugation	Un-conjugated
Alternate Names	1-Cys; NSGPx; EC 3.1.1.-; Antioxidant protein 2; Non-selenium glutathione peroxidase; 24 kDa protein; Acidic calcium-independent phospholipase A2; AOP2; 1-Cys peroxiredoxin; aiPLA2; Peroxiredoxin-6; Liver 2D page spot 40; 1-Cys PRX; EC 1.11.1.15; EC 1.11.1.9; Red blood cells page spot 12; p29; PRX; HEL-S-128m

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200 - 1:1000
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml

Application Note IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

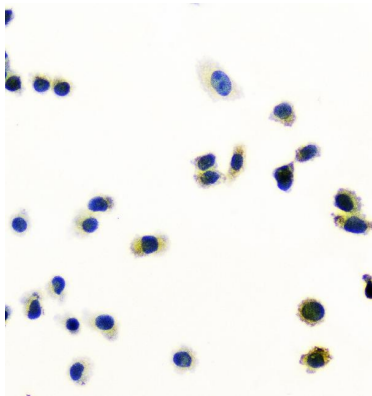
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

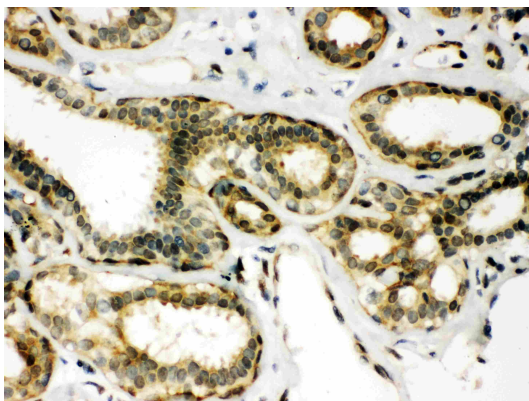
Gene Symbol	PRDX6
Gene Full Name	peroxiredoxin 6
Background	The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H ₂ O ₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. [provided by RefSeq, Jul 2008]
Function	Involved in redox regulation of the cell. Can reduce H ₂ O ₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. May play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. [UniProt]
Calculated Mw	25 kDa
Cellular Localization	Cytoplasm. Lysosome. Note=Also found in lung secretory organelles (lamellar bodies). [UniProt]

Images



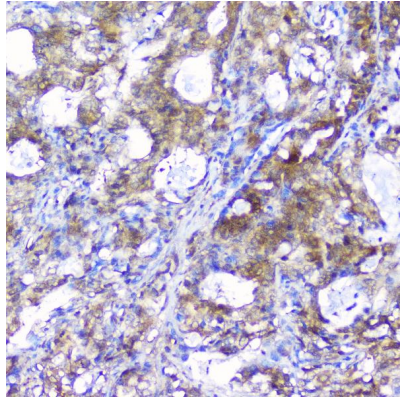
ARG59455 anti-Peroxiredoxin 6 antibody ICC image

Immunocytochemistry: PC-3 cells were blocked with 10% goat serum and then stained with ARG59455 anti-Peroxiredoxin 6 antibody at 1 µg/ml dilution, overnight at 4°C.



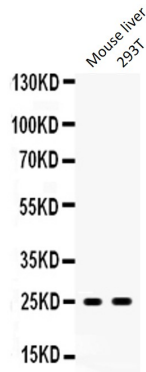
ARG59455 anti-Peroxiredoxin 6 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary cancer stained with ARG59455 anti-Peroxiredoxin 6 antibody.



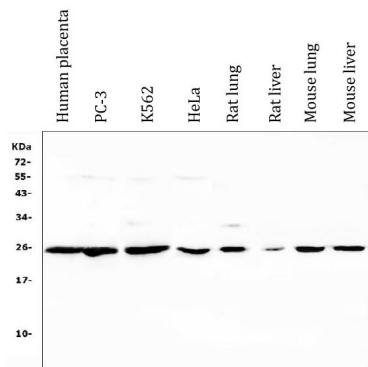
ARG59455 anti-Peroxiredoxin 6 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human gastric cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59455 anti-Peroxiredoxin 6 antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



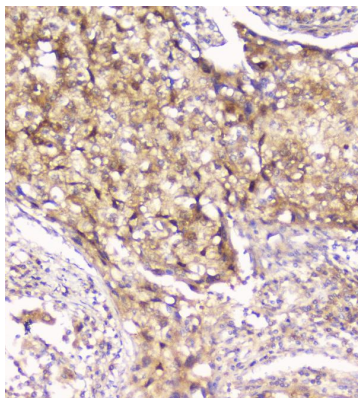
ARG59455 anti-Peroxiredoxin 6 antibody WB image

Western blot: 50 μg of Mouse liver and 40 μg of 293T whole cell lysate stained with ARG59455 anti-Peroxiredoxin 6 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



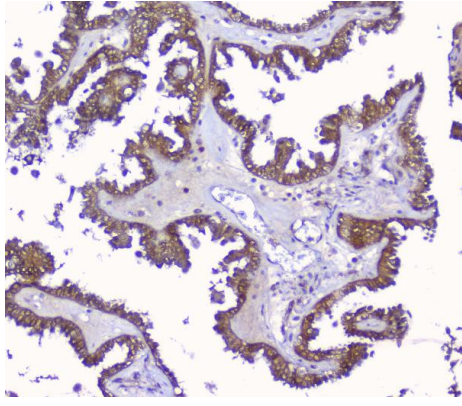
ARG59455 anti-Peroxiredoxin 6 antibody WB image

Western blot: 50 μg of sample under reducing conditions. Human placenta, PC-3, K562, HeLa, Rat lung, Rat liver, Mouse lung and Mouse liver lysates stained with ARG59455 anti-Peroxiredoxin 6 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



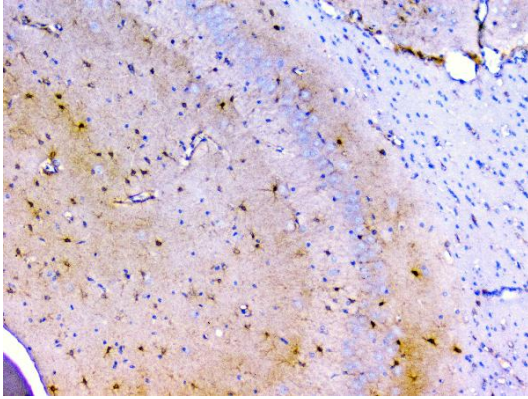
ARG59455 anti-Peroxiredoxin 6 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human Lung cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59455 anti-Peroxiredoxin 6 antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



ARG59455 anti-Peroxiredoxin 6 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovarian cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59455 anti-Peroxiredoxin 6 antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



ARG59455 anti-Peroxiredoxin 6 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59455 anti-Peroxiredoxin 6 antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.