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PRODUCT DATASHEET

Anti-Peroxiredoxin-6 (NSGPx) Antibody

Product Details

Available Variants	100 µL (SKU:R-169-100)
Conjugate	Unconjugated
Isotype	Mixed
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:100-1:1000 IHC: 1:1000-1:4000 ELISA: 1:1000-1:4000
Species Reactivity	Human, Mouse, Rat
Immunogen	Rat recombinant Peroxiredoxin-6. The sequence is homologous in human and mouse peroxiredoxin-6.
Specificity	This antibody has been shown to be specific for Peroxiredoxin-6 protein. Rat, human and mouse, other species have not yet been tested.
Storage	Spin vial briefly before opening. Reconstitute in 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution keep aliquots at -20°C for a higher stability, and at 2-8°C with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles. Glycerol (1:1) may be added for an additional stability.
UniProt ID	O35244 UniProt Summary: Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Can reduce H(2)O(2) and short chain organic, fatty acid, and phospholipid hydroperoxides. Also has phospholipase activity, can therefore either reduce the oxidized sn-2 fatty acyl group of phospholipids (peroxidase activity) or hydrolyze the sn-2 ester bond of phospholipids (phospholipase

	activity). These activities are dependent on binding to phospholipids at acidic pH and to oxidized phospholipds at cytosolic pH. Plays a role in cell protection against oxidative stress by detoxifying peroxides and in phospholipid homeostasis. Exhibits acyl-CoA-dependent lysophospholipid acyltransferase which mediates the conversion of lysophosphatidylcholine (1-acyl-sn-glycero-3-phosphocholine or LPC) into phosphatidylcholine (1,2-diacyl-sn-glycero-3-phosphocholine or PC). Shows a clear preference for LPC as the lysophospholipid and for palmitoyl CoA as the fatty acyl substrate.
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	94167

Product Images



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