

ARG59490 anti-Peroxiredoxin 6 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Peroxiredoxin 6
Tested Reactivity	Hu
Predict Reactivity	Bov, Rat, Mk
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Peroxiredoxin 6
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 103-132 of Human Peroxiredoxin 6.
Conjugation	Un-conjugated
Alternate Names	1-Cys; NSGPx; EC 3.1.1.1.-; 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
	FACS	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	293	

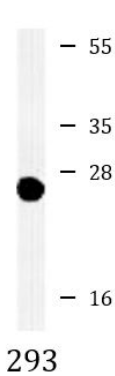
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
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.

Bioinformation

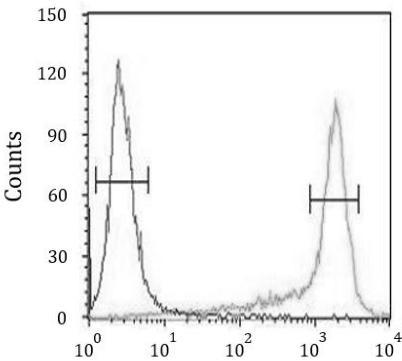
Gene Symbol	PRDX6
Gene Full Name	peroxiredoxin 6
Background	The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H(2)O(2) and short 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



ARG59490 anti-Peroxiredoxin 6 antibody WB image

Western blot: 35 µg of 293 cell lysate stained with ARG59490 anti-Peroxiredoxin 6 antibody.



ARG59490 anti-Peroxiredoxin 6 antibody FACS image

Flow Cytometry: 293 cells stained with ARG59490 anti-Peroxiredoxin 6 antibody (right histogram) or without primary antibody as control (left histogram), followed by FITC labelled secondary antibody.