

## ARG57048 anti-Peroxiredoxin 6 antibody [22E7]

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [22E7] recognizes Peroxiredoxin 6
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	22E7
Isotype	IgG2a, kappa
Target Name	Peroxiredoxin 6
Species	Human
Immunogen	Recombinant fragment around aa. 1-224 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
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 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. 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

### Database links

[GeneID: 9588 Human](#)

[Swiss-port # P30041 Human](#)

### 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<sub>2</sub>O<sub>2</sub> 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]

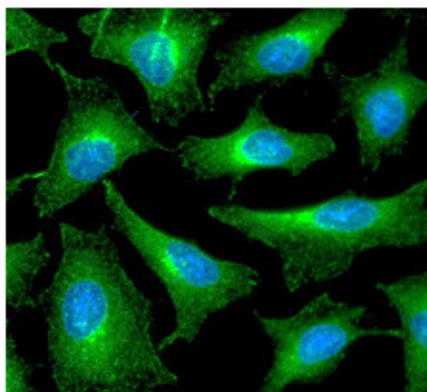
### Function

Involved in redox regulation of the cell. Can reduce H<sub>2</sub>O<sub>2</sub> 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

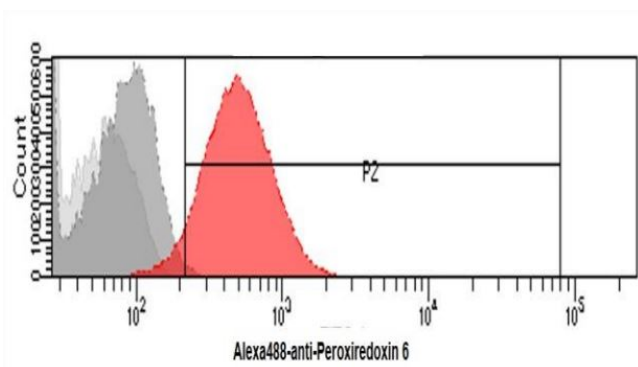
## Images



ARG57048 anti-Peroxiredoxin 6 antibody [22E7] ICC/IF image

Immunofluorescence: HeLa cell line stained with ARG57048 anti-Peroxiredoxin 6 antibody [22E7] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG57048 anti-Peroxiredoxin 6 antibody [22E7] FACS image

Flow Cytometry: HeLa cells stained with ARG57048 anti-Peroxiredoxin 6 antibody [22E7] at 2-5  $\mu\text{g} / 10^6$  cells (red). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).

ARG57048 anti-Peroxiredoxin 6 antibody [22E7] WB image

Western blot: 1) 50 ng of Recombinant PRDX6 protein, 40 µg of 2) HeLa cell lysate, 3) 293T cell lysate, 4) HepG2 cell lysate, 5) U87MG cell lysate, and 6) Ramos cell lysate stained with ARG57048 anti-Peroxiredoxin 6 antibody [22E7] at 1:1000 dilution.

