

Anti-Peroxiredoxin 6 Antibody (5E148)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5E148
Purification:	Protein A

Applications

Verified Activity:	<ol style="list-style-type: none">1. Immunochemical staining of human PRDX6 in human brain with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). Positive staining was localized to neuroglia cells.2. PRDX6 was immunoprecipitated using:<ul style="list-style-type: none">-Lane A:0.5 mg HeLa Whole Cell Lysate.-2 μL anti-PRDX6 mouse monoclonal antibody and 15 μL of 50 % Protein G agarose. <p>-Primary antibody: -Anti-PRDX6 mouse monoclonal antibody, at 1:500 dilution. -Secondary antibody: -Dylight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution. -Developed using the odyssey technique. -Performed under reducing conditions. -Predicted band size: 26 kDa. -Observed band size: 26 kDa</p>
Application:	ELISA,IHC-P,IP
Recommended	ELISA: 1:1000-1:2000; IHC-P: 1:50-1:200; IP: 4-6 μ L/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human Peroxiredoxin 6 / PRDX6 protein (TMPY-02201)
Antigen Species:	Human
Synonyms:	NSGPx;peroxiredoxin 6;PRX;p29;HEL-S-128m;1-Cys;aiPLA2;AOP2

Research Background

PRDX6, a member of antioxidant protein superfamily, plays an important role in oxidative stress, catabolism of lipids and phospholipid liposomes. Peroxiredoxin 6 (PRDX6) is involved in redox regulation of the cell and is thought to be protective against oxidant injury. Peroxiredoxin 6 (PRDX6) is a bifunctional protein with both glutathione peroxidase (GPx) and iPLA2 activities, which are concomitantly increased with the expression of PRDX6. PRDX6 promoted lung tumor growth in an in vivo allograft model.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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