

Anti-Peroxiredoxin-4 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Molecular Weight:	Theoretical: 27 kDa. Actual: 27 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Hela (Human) Cell Lysate at 30 µg
	Primary: Anti-Peroxiredoxin-4 (TMAB-10200) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 27 kD
	Observed band size: 27 kD
	2. Sample: Liver (Mouse) Lysate at 40 µg
	Primary: Anti-Peroxiredoxin-4 (TMAB-10200) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 27 kD
Observed band size: 27 kD	
3. Sample: k562 (human) Cell Lysate at 30 µg	
Primary: Anti-Peroxiredoxin-4 (TMAB-10200) at 1/1000 dilution	
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution	
Predicted band size: 27 kD	
Observed band size: 27 kD	
Application:	WB
Recommended	WB: 1:500-2000

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.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Peroxiredoxin-4
Antigen Species:	Human
Gene ID:	10549
Uniprot ID:	Q13162

Research Background

The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. This protein has been found to play a regulatory role in the activation of the transcription factor NF-

A DRUG SCREENING EXPERT

kappaB. [provided by RefSeq, Jul 2008]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481