



# ELK Biotechnology

Peroxiredoxin Mouse mAb

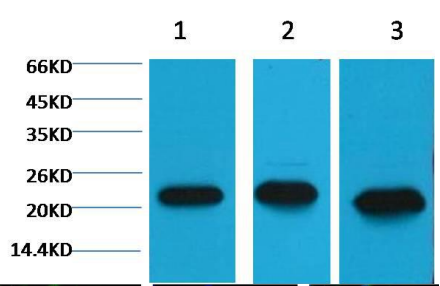
Catalog NO.: EM1112

For research use only.

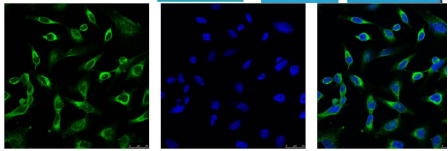
## Overview

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Product name	Peroxiredoxin Mouse Monoclonal antibody
Source	Mouse
Applications	<b>WB IF</b>
Species reactivity	<b>Human Rat Mouse</b>
Recommended dilutions	<b>WesternBlot:1/1000-3000</b> <b>Immunofluorescence:1/100-200</b> <b>NOTE: Optimal dilutions should be determined by the end user.</b>
Immunogen	Recombinant Protein
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	<b>21kDa</b>
GeneID (Human)	5052
Human Swiss-Prot No.	Q06830
Cellular localization	Cytoplasm
Alternative Names	Hbp23 Heme binding 23kDa protein Macrophage stress protein 22kDa MSP23 NKEF A Prdx1
Background	Peroxiredoxin-1 is a protein which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Three transcript variants encoding the same protein have been identified for this gene.



Western blot analysis of) MCF7 2) Rat Kidney Tissue 3) Mouse Brain Tissue with EM1112 diluted at:2000.



IF analysis of HeLa with EM1112(Left) and DAPI (Right) diluted at:100.