

# Peroxiredoxin 1 Mouse Monoclonal Antibody(8E7)

## Catalog No: RA10387

### Basic Information

Host species	Mouse
Applications	WB, IF
Species Cross-Reactivity	H, R, M
Specificity	The Peroxiredoxin 1 Antibody can detects endogenous Peroxiredoxin 1 protein.
Recommended dilutions	WB: 1:1,000-3,000    IF: 1:100-200 Optimal dilutions should be determined by the end user.

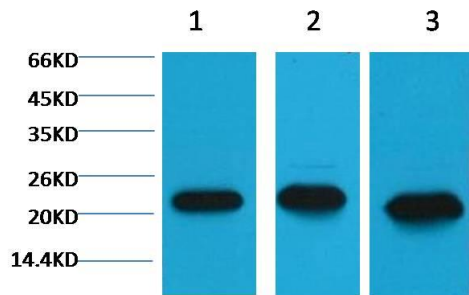
### Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

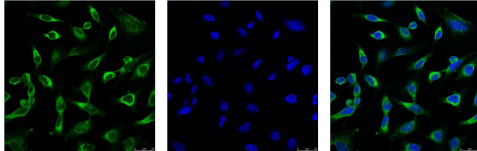
### Background

Alternative Names	Hbp23, Heme binding 23kDa protein, Macrophage stress protein 22kDa, MSP23, NKEF A, Prdx1
Observed band	21
Human Gene ID	5052
Human Swiss-Prot Number	Q06830
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.

## Selected Validation Data



Western blot analysis of 1) MCF7, 2) Rat Kidney Tissue, 3) Mouse Brain Tissue with Peroxiredoxin 1 Mouse Monoclonal Antibody(8E7) diluted at 1:2000.



IF analysis of HeLa with Peroxiredoxin 1 Mouse Monoclonal Antibody(8E7)(Left) and DAPI (Right) diluted at 1:100.