

Peroxiredoxin 1 Mouse Monoclonal Antibody

Catalog No: #38055

Package Size: #38055 100ul

Description

Product Name	Peroxiredoxin 1 Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Purification	Affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Hu Rt Ms
Specificity	The Peroxiredoxin 1 Antibody detects endogenous Peroxiredoxin 1 protein.
Conjugates	Unconjugated
Target Name	Peroxiredoxin 1
Other Names	MSP23; Natural killer cell-enhancing factor A; natural killer-enhancing factor A; NKEF-A; NKEFA; PAG; PAGA; PAGB
Accession No.	Swiss-Prot#:Q06830
SDS-PAGE MW	21kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

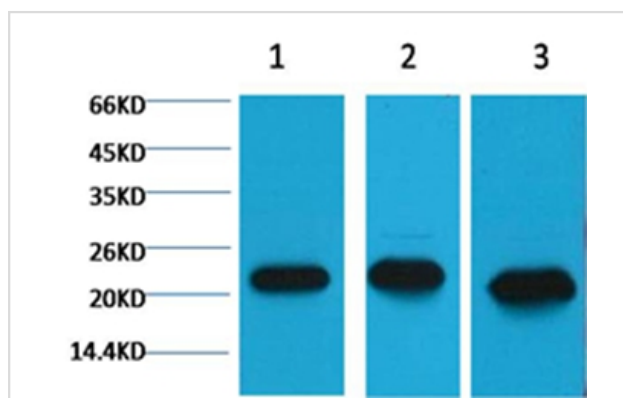
Application Details

WB dilution: 1:1000~1:3000

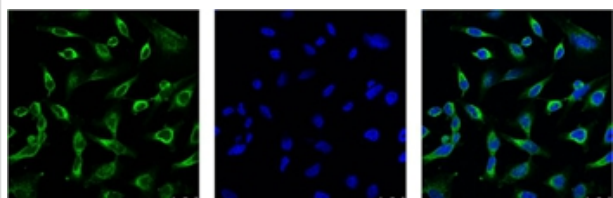
IF dilution: 1:100-200

IHC dilution:1:50-300

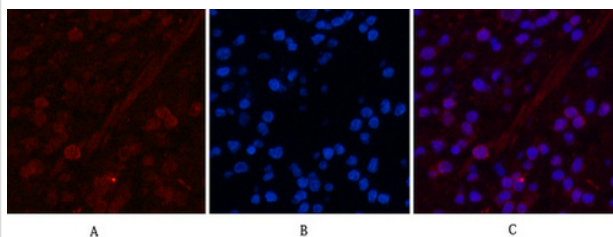
Images



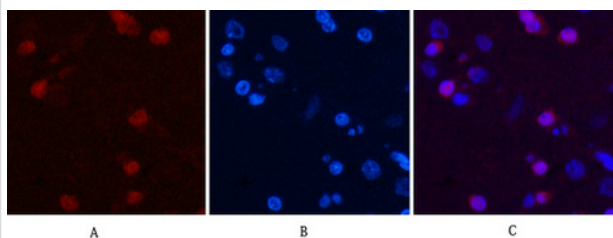
Western blot analysis of 1) MCF7, 2) Rat Kidney Tissue, 3) Mouse Brain Tissue, using #38055 diluted at 1:2000.



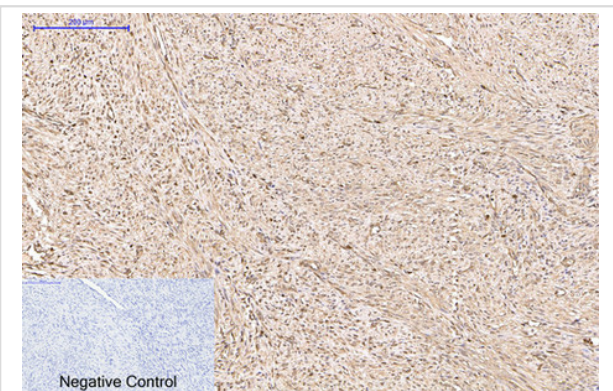
IF analysis of HeLa with #38055(Left) and DAPI (Right) diluted at 1:100.



Immunofluorescence analysis of Human-appendix tissue. 1,Peroxiredoxin 1 Monoclonal Antibody(8E7)(red) was diluted at 1:200(4C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Rat-brain tissue. 1,Peroxiredoxin 1 Monoclonal Antibody(8E7)(red) was diluted at 1:200(4C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1,Peroxiredoxin 1 Monoclonal Antibody(8E7) was diluted at 1:200(4C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.