

PRDX1 Rabbit Polyclonal Antibody

Catalog No: RA20001

Basic Information

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| Host species | Rabbit |
| Applications | WB, IHC |
| Species Cross-Reactivity | H, R, M |
| Specificity | The Peroxiredoxin 1 Antibody can detects endogenous Peroxiredoxin 1 protein. |
| Recommended dilutions | WB: 1:1,000-2,000 IHC: 1:200-500 Optimal dilutions should be determined by the end user. |

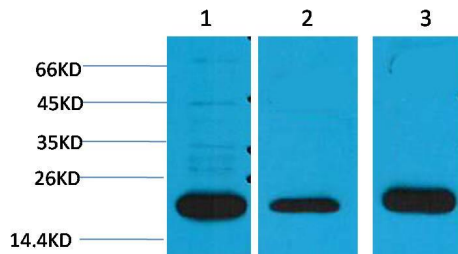
Applications

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| Formulation | Immunogen Affinity Purified Rabbit IgG, 1mg/ml in PBS pH7.4, 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 | Polyclonal |

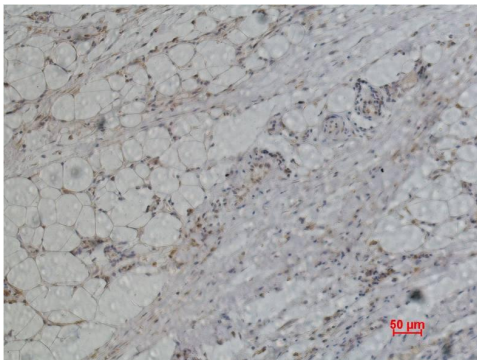
Background

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| 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) HeLa, 2) Mouse Brain, 3) Rat Brain, with PRDX1 Rabbit pAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Human Hepatocarcinoma using PRDX1 Rabbit pAb diluted at 1:500.