

Peroxiredoxin-1 Polyclonal Antibody

Catalog No: #42222

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Description

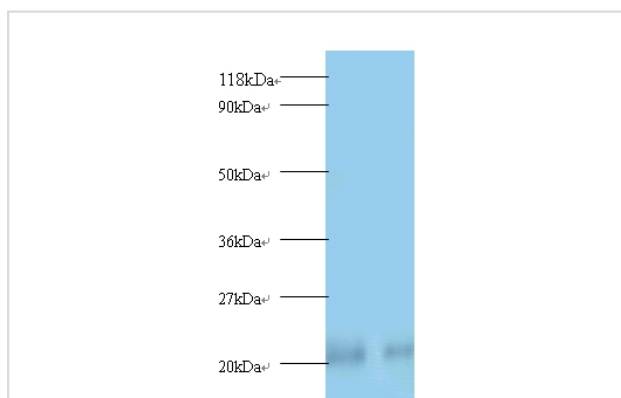
Product Name	Peroxiredoxin-1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Peroxiredoxin-1 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Peroxiredoxin-1 protein
Target Name	Peroxiredoxin-1
Other Names	Natural killer cell-enhancing factor A, NKEF-A, Proliferation-associated gene protein, PAG, Thioredoxin peroxidase 2, Thioredoxin-dependent peroxide reductase 2
Accession No.	Swiss-Prot#: Q06830
Uniprot	Q06830
GeneID	5052;
Calculated MW	21.9kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Western blotting: □ 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

Images



All lanes : perixiredoxin-1 antibody at 2ug/ml

Lane 1 : EC109 whole cell lysate

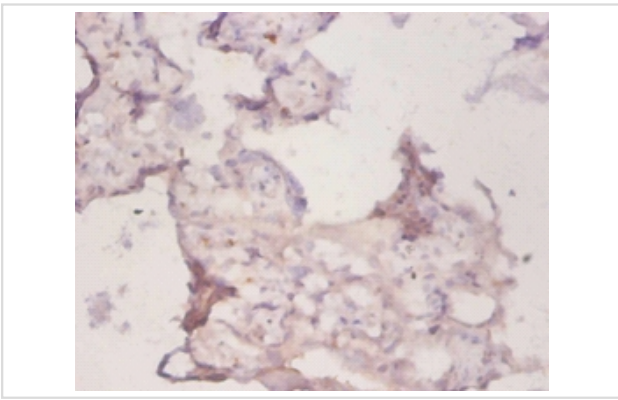
Lane 2 : 293T whole cell lysate

Secondary

Goat polyclonal to Rabbit IgG at 1/15000 dilution

Predicted band size : 21.9 kDa

Observed band size: 21.9 kDa



Immunohistochemical analysis of paraffin-embedded human placenta using #42222 at dilution of 1:50.

Background

Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system but not from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H₂O₂. Reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation

References

[1]"A human cDNA corresponding to a gene overexpressed during cell proliferation encodes a product sharing homology with amoebic and bacterial proteins."Prosperi M.T., Ferbus D., Karczinski I., Goubin G.J. Biol. Chem. 268:11050-11056(1993) [2]"Cloning an

Note: This product is for in vitro research use only