



TEL:4006-871-227 Web:www.ybio.net Email:shybio@126.com

YB95757Ra01

Peroxiredoxin 2 (PRDX2)

Organism: Rattus norvegicus (Rat)

Instruction manual

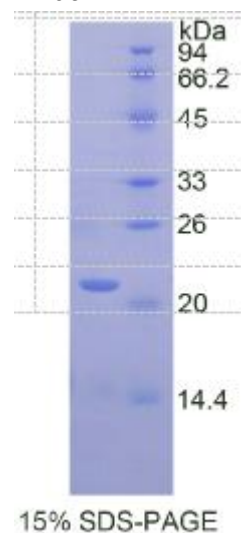
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5th Edition (Revised in January, 2013)

[DESCRIPTION]

Protein Names: Peroxiredoxin 2

Rat PRDX2



Synonyms: PRDX2, Tdpx1

Species: Rat

Size: 100μg

Source: *Escherichia coli*-derived

Subcellular Location: Cytoplasm.

[PROPERTIES]

Residues: Ala6~Tyr164 (Accession # P35704), with N-terminal His-Tag.



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Grade & Purity: >95%, 21kDa as determined by SDS-PAGE reducing conditions.

Formulation: Supplied as lyophilized form in PBS, pH 7.4, containing 5% sucrose, 0.01% sarcosyl.

Endotoxin Level: <1.0 EU per 1 μ g (determined by the LAL method).

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

Predicted Molecular Mass: 19.1kDa

Predicted isoelectric point: 6.1



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[PREPARATION]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The target protein is fused with N-terminal His-Tag, its sequence is listed below.

MGHHHHHSGSEF- AHIGK PAPDFTGTAV VDGAfKEIKL SDYRGKYVVL FFYPLDFTFV
CPTeIIAFSD HAEDFRKLGC EVLGVSVDsQ FTHLAWINTP RKEGGLGPLN IPLLADVTKS
LSQNYGVLKN DEGIAYRGLF IIDAKGVLRQ ITVNDLPVGR SVDEALRLVQ AFQY