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Human recombinant protein PRDX 2

Human Recombinant PRDX 2
Catalog # PBV10557r

Specification

Human recombinant protein PRDX 2 - Product info

Primary Accession	P32119
Concentration	1
Calculated MW	21.8 kDa KDa

Human recombinant protein PRDX 2 - Additional Info

Gene ID	7001
Gene Symbol	PRDX2

Other Names
Peroxiredoxin 2, NKEFB, PRP, PRX2, PRXII, TDPX1, TSA, PRDX2.

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MASGNARIGK PAPDFKATAV VDGAFKEVKL SDYKGKYVVL FFYPLDFTFV CPTEIIAFSN RAEDFRKLGC EVLGVSVDSQ FTHLAWINTP RKEGGLGPLN IPLLADVTRR LSEDYGVLKT DEGIAYRGLF IIDGKGVLRQ ITVNDLPVGR SVDEALRLVQ AFQYTDEHGE VCPAGWKPGS DTIKPNVDDS KEYFSKHN.

Format
Liquid

Storage
-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.

Human recombinant protein PRDX 2 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human recombinant protein PRDX 2 - Images

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Human recombinant protein PRDX 2 - Background

Peroxiredoxin-2 is a protein that in humans is encoded by the PRDX2 gene. This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, 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. It may also have a proliferative effect and play a role in cancer development or progression.

Human recombinant protein PRDX 2 - References

Lim Y.-S.,et al.Gene 140:279-284(1994).
Shau H.,et al.Immunogenetics 40:129-134(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Grimwood J.,et al.Nature 428:529-535(2004).