

Datasheet

PRDX2 monoclonal antibody (M01), clone 4E10-2D2

Catalog Number: H00007001-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant PRDX2.

Clone Name: 4E10-2D2

Immunogen: PRDX2 (AAH00452, 1 a.a. ~ 198 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

MASGNARIGKPAPDFKATAVVDGAFKEVKLSDYKGGKY
VVLFFYPLDFTFVCPTEIIAFSNRAEDFRKLGCEVLGVS
VDSQFTHLAWINTPRKEGGLGPLNIPLLADVTRRLSED
YGVLKTDEGIAYRGLFIIDGKGVLRQITVNDLPVGRSVD
EALRLVQAFQYTDEHGEVCPAGWKPGSDTIKPNVDDS
KEYFSKHN

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, S-ELISA, WB-Ce,
WB-Re, WB-Tr

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 7001

Gene Symbol: PRDX2

Gene Alias: MGC4104, NKEFB, PRP, PRX2, PRXII,
TDPX1, TSA

Gene Summary: 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. This protein may have a proliferative effect and play a role in cancer development or progression. The crystal structure of this protein has been resolved to 2.7 angstroms. Transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

References:

1. Redox sensitivities of global cellular cysteine residues under reductive and oxidative stress. Araki K, Kusano H, Sasaki N, Tanaka R, Hatta T, Fukui K, Natsume T. J Proteome Res. 2016 Jun 28. [Epub ahead of print]
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3. Identification of a New Panel of Serum Autoantibodies Associated with the Presence of In situ Carcinoma of the Breast in Younger Women. Desmetz C, Bascoul-Mollevi C, Rochaix P, Lamy PJ, Kramar A, Rouanet P, Maudelonde T, Mange A, Solassol J. Clin Cancer Res. 2009 Jul 15;15(14):4733-41. Epub 2009 Jul 7.