

#### **International Office**

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# EB07284 - Goat Anti-Peroxiredoxin 2 Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** peroxiredoxin 2, HGNC:9353, PRDX2, MGC4104, NKEFB, PRP, PRXII, TDPX1, TSA, natural killer-enhancing factor B, thiol-specific antioxidant 1, thioredoxin peroxidase 1, thioredoxin-dependent peroxide reductase 1, torin

Official Symbol: PRDX2

Accession Number(s): NP\_005800.3; NP\_859427.1

Human GeneID(s): 7001

Important Comments: This antibody is expected to recognise isoforms a and b only

(NP\_005800.3 and NP\_859427.1 respectively).

### Immunogen

Peptide with sequence C-NVDDSKEYFSKHN, from the C Terminus of the protein sequence according to NP\_005800.3; NP\_859427.1.

Please note the peptide is available for sale.

# **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

# **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:16000.

**Western blot:** Approx 20-22kDa band observed in Human Brain lysates (calculated MW of 21.9kDa according to NP\_005800.3). Recommended concentration: 0.3-1μg/ml. Primary incubation was 1 hour.

### **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB07284 (1µg/ml) staining of Human Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.