



## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09018 - Goat Anti-PRDX1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PRDX1, peroxiredoxin 1, MSP23, NKEFA, PAG, PAGA, PAGB, PRX1, PRXI, TDPX2, natural killer-enhancing factor A, proliferation-associated gene A, thioredoxin-dependent peroxide reductase 2

**Official Symbol:** PRDX1

**Accession Number(s):** NP\_859048.1

**Human GeneID(s):** [5052](#)

**Non-Human GeneID(s):** 18477 (mouse), 117254 (rat)

**Important Comments:** Reported variants represent identical protein (NP\_002565.1, NP\_859047.1, NP\_859048.1).

### Immunogen

Peptide with sequence C-SDPKRTIAQDYG, from the internal region of the protein sequence according to NP\_859048.1.

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 1:8000.

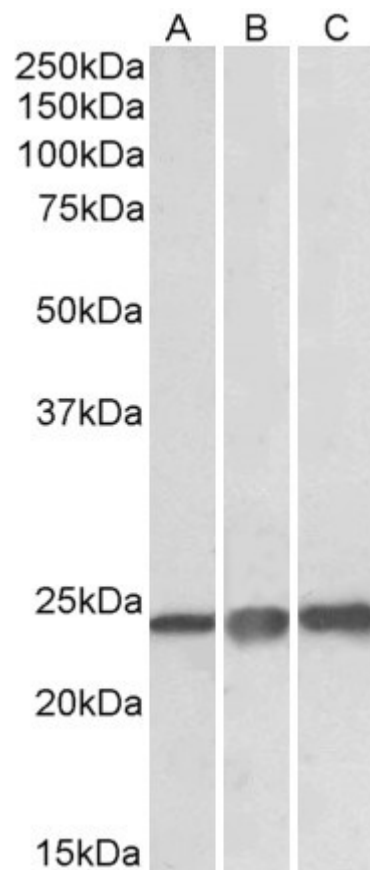
**Western blot:** Approx 24kDa band observed in lysates of cell line HEK293, A431 and HepG2 (calculated MW of 22.1kDa according to NP\_859048.1). Recommended concentration: 0.1-0.3µg/ml.

**IHC:** Paraffin embedded Human Small Intestine. Recommended concentration: 2.5µg/ml.

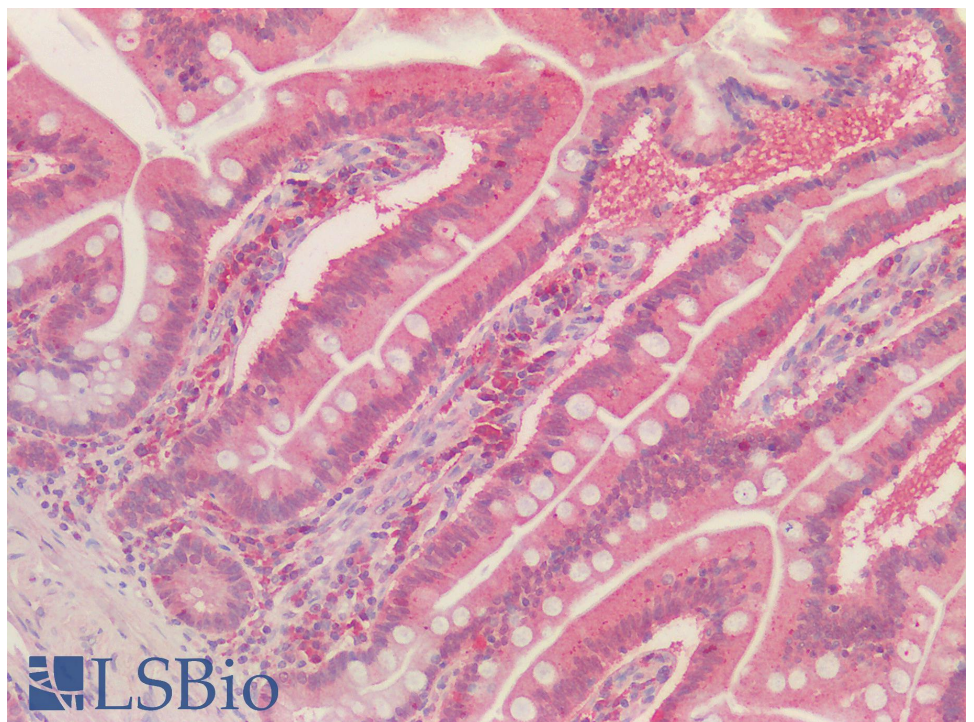
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



EB09018 (0.1µg/ml) staining lysate of cell line HEK293 (A), A431 (B) and HepG2 (C) (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB09018 (2.5µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.