

#### International Office

#### **Everest Biotech Ltd**

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

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

# EB10497 - Goat Anti-PCBP1 (aa223-234) Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

Principal Names: alpha-CP1, heterogeneous nuclear ribonucleoprotein E1,

heterogenous nuclear ribonucleoprotein E1, heterogenous nuclear ribonucleoprotein X, hnRNP-E1, hnRNP-X, HNRPE1, HNRPX, nucleic acid binding protein sub 2.3, poly(rC)

binding protein 1, PCBP1 Official Symbol: PCBP1

Accession Number(s): NP\_006187.2

Human GeneID(s): 5093

Non-Human GenelD(s): 23983 (mouse), 500242 (rat)

# Immunogen

Peptide with sequence C-SIQGQHTISPLD, from the internal region of the protein sequence according to NP\_006187.2.

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 38kDa band observed in Human Peripheral Blood Nucleocytes lysates (calculated MW of 37.5kDa according to NP\_006187.2). The 38kDa was also observed in Rat Spleen while a 37kDa band was observed in Rat Thymus.

Recommended concentration: 0.1-0.3µg/ml.

**Additional validation:** This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

## **Species Reactivity**

Tested: Human, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog

## **Specific Reference**

#### This antibody has been successfully used in the following paper:

Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen

A high-throughput pipeline for validation of antibodies

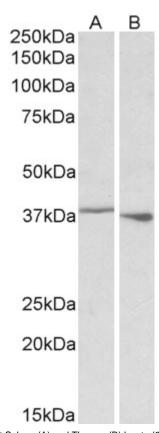
Nat Methods. 2018 Nov;15(11):909-912

DIAID 00077074

PMID: 30377371



EB10497 (0.1 $\mu$ g/ml) staining of PBMC lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10497 (0.1μg/ml) staining of Rat Spleen (A) and Thymus (B) lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.