

#### **International Office**

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

Customer Service: <u>customerservice@vectorlabs.com</u> Technical Service: <u>technical@vectorlabs.com</u>

Tel: +1 (800) 227-6666

www.everestbiotech.com

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# EB09410 - Goat Anti-Copine 1 Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

Principal Names: CPNE1, copine I, COPN1, CPN1, MGC1142, OTTHUMP00000030775, OTTHUMP00000030776, copine-1 Official Symbol: CPNE1 Accession Number(s): NP\_690902.1; NP\_003906.2 Human GeneID(s): 8904 Important Comments: This antibody is expected to recognize isoform a and b (NP\_003906.2; NP\_690902.1). Reported variants represent identical protein: NP\_690905.1, NP\_690902.1, NP\_690903.1, NP\_690906.1, NP\_690904.1, NP\_690907.1, NP\_690908.1.

# Immunogen

Peptide with sequence C-APLKPLPPSAKDPA, from the C Terminus of the protein sequence according to NP\_690902.1; NP\_003906.2.

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 1:16000.

**Western blot:** Approx 55kDa band observed in Human Skin lysates (calculated MW of 59.1kDa according to NP\_690902.1). 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.

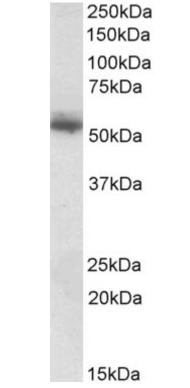
#### **Species Reactivity**

Tested: Human Expected from sequence similarity: Human

#### **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 PMID: 30377371



EB09410 (0.1µg/ml) staining of Human Skin lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.