

#### **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

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# EB10744-B - Goat Anti-SDF4 (aa161-175), Biotinylated Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** SDF4, stromal cell derived factor 4, Cab45, 45 kDa calcium-binding protein, OTTHUMP0000001754, SDF-4, calcium binding protein, stromal cell-derived factor 4

Official Symbol: SDF4

Accession Number(s): NP\_057631.1; NP\_057260.2

Human GeneID(s): 51150

Non-Human GenelD(s): 20318 (mouse), 155173 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms

(NP\_057631.1; NP\_057260.2).

## **Immunogen**

Peptide with sequence C-EYKVKFLASKGHSEK., from the internal region of the protein sequence according to NP\_057631.1; NP\_057260.2.

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 1:64000.

**Western blot:** Approx 45kDa band observed in lysates of cell line Jurkat (calculated MW of 41.8kDa according to NP\_057260.2). Recommended concentration: 0.1-0.3µg/ml.

## **Species Reactivity**

Tested: Human

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

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

Biotinylated EB10744 (0.1µg/ml) staining of Jurkat lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.