

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

Research Use Only. Not for diagnostic or therapeutic use.

EB12309 - Goat Anti-HES4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: HES4, hairy and enhancer of split 4 (Drosophila), bHLHb42, bHLH factor Hes4, class B basic helix-loop-helix protein 42, hHES4, transcription factor HES-4 **Official Symbol:** HES4 **Accession Number(s):** NP_001135939.1

Human GeneID(s): <u>57801</u> Important Comments: This antibody is expected to recognize isoform 1 (NP_001135939.1) only.

Immunogen

Peptide with sequence C-RSAAEHRKVGSRP, from the internal region of the protein sequence according to NP_001135939.1.

Please note the peptide is available for sale.

Purification and Storage

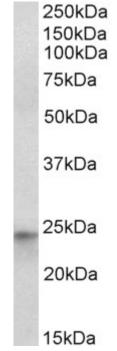
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000. **Western blot:** Approx 24kDa band observed in nuclear lysates of cell line HepG2 (calculated MW of 26.1kDa according to NP_001135939.1). Recommended concentration: 1-3µg/ml.

Species Reactivity

Tested: Human Expected from sequence similarity: Human



EB12309 (1µg/ml) staining of HepG2 nuclear lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.