

EHBP1 (K-14): sc-161546

BACKGROUND

EHBP1L1 (EH domain binding protein 1-like 1), alternately known as tangerin in mice, is a 1,523 amino acid protein containing one CH (calponin-homology) domain. EHBP1L1 contains multiple phosphoserine residues and exists as five alternatively spliced isoforms in mice. Additional isoforms of human EHBP1L1 have not been characterized. The gene encoding EHBP1L1 maps to murine chromosome 19 A and human chromosome 11q13.1. Chromosome 11 houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: EHBP1 (human) mapping to 2p15; Ehbp1 (mouse) mapping to 11 A3.2.

SOURCE

EHBP1 (K-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of EHBP1 of human origin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-161546 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

EHBP1 (K-14) is recommended for detection of EHBP1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with EHBP1L1.

EHBP1 (K-14) is also recommended for detection of EHBP1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for EHBP1 siRNA (h): sc-94286, EHBP1 siRNA (m): sc-144602, EHBP1 shRNA Plasmid (h): sc-94286-SH, EHBP1 shRNA Plasmid (m): sc-144602-SH, EHBP1 shRNA (h) Lentiviral Particles: sc-94286-V and EHBP1 shRNA (m) Lentiviral Particles: sc-144602-V.

Molecular Weight of EHBP1: 140 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **EHBP1 (A-8): sc-515619**, our highly recommended monoclonal alternative to EHBP1 (K-14).