

KLHL26 (C-14): sc-132730

BACKGROUND

KLHL26, also known as kelch-like protein 26, is a 615 amino acid protein similar to the *Drosophila* kelch protein. KLHL26 contains one BACK (BTB/kelch associated) domain, which may indicate a role in substrate orientation in E3 ligase complexes. KLHL26 also contains six kelch repeats and one BTB (POZ) domain. The BTB (broad-complex, tramtrack and bric a brac) domain, also known as the POZ (poxvirus and zinc finger) domain, is an N-terminal homodimerization domain that contains multiple copies of kelch repeats and/or C₂H₂-type zinc fingers. Proteins that contain BTB domains are thought to be involved in transcriptional regulation via control of chromatin structure and function.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: KLHL26 (human) mapping to 19p13.11; Klhl26 (mouse) mapping to 8 B3.3.

SOURCE

KLHL26 (C-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of KLHL26 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-132730 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

KLHL26 (C-14) is recommended for detection of KLHL26 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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 other KLHL family members.

KLHL26 (C-14) is also recommended for detection of KLHL26 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for KLHL26 siRNA (h): sc-97645, KLHL26 siRNA (m): sc-146526, KLHL26 shRNA Plasmid (h): sc-97645-SH, KLHL26 shRNA Plasmid (m): sc-146526-SH, KLHL26 shRNA (h) Lentiviral Particles: sc-97645-V and KLHL26 shRNA (m) Lentiviral Particles: sc-146526-V.

Molecular Weight of KLHL26: 68 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.