

ZYG11BL (T-16): sc-244839

BACKGROUND

ZYG11BL (ZYG-11 homolog B-like protein), also known as ZER1, Hzyg or ZYG, is a 766 amino acid protein that contains 5 ARM repeats and 3 LRR (leucine-rich repeats). Belonging to the ZYG-11 family, ZYG11BL is expressed in testis, spermatocytes, spermatids, prostate, skeletal muscle, ovary, small intestine, heart, brain and pancreas. ZYG11BL is a component of the E3 ubiquitin ligase complex, along with CUL-2 and Elongin BC, and likely acts as target recruitment subunit. The gene encoding ZYG11BL maps to human chromosome 9, which houses over 900 genes and comprises nearly 4% of the human genome. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, and Familial dysautonomia, are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster.

REFERENCES

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4. Burmeister, T., et al. 2007. Atypical Bcr-Abl mRNA transcripts in adult acute lymphoblastic leukemia. *Haematologica* 92: 1699-1702.
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CHROMOSOMAL LOCATION

Genetic locus: ZER1 (human) mapping to 9q34.11; Zer1 (mouse) mapping to 2 B.

SOURCE

ZYG11BL (T-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZYG11BL of human origin.

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-244839 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZYG11BL (T-16) is recommended for detection of ZYG11BL 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 ZYG11A or ZYG11B.

ZYG11BL (T-16) is also recommended for detection of ZYG11BL in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for ZYG11BL siRNA (h): sc-92690, ZYG11BL siRNA (m): sc-155854, ZYG11BL shRNA Plasmid (h): sc-92690-SH, ZYG11BL shRNA Plasmid (m): sc-155854-SH, ZYG11BL shRNA (h) Lentiviral Particles: sc-92690-V and ZYG11BL shRNA (m) Lentiviral Particles: sc-155854-V.

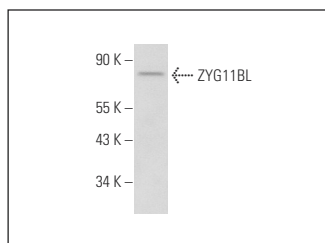
Molecular Weight of ZYG11BL: 88 kDa.

Positive Controls: NCI-H1299 whole cell lysate: sc-364234.

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.

DATA



ZYG11BL (T-16): sc-244839. Western blot analysis of ZYG11BL expression in NCI-H1299 whole cell lysate.

STORAGE

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

RESEARCH USE

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