

# SKIV2L (T-16): sc-169318

## BACKGROUND

SKIV2L (superkiller viralicidic activity 2-like), also known as HLP (helicase-like protein), DDX13, SKI2W or SKIV2, is a 1,246 amino acid nuclear protein that functions as a helicase and possesses ATPase activity. A member of the helicase family and SKI2 subfamily, SKIV2L contains one helicase ATP-binding domain and a helicase C-terminal domain. SKIV2L is the human homologue of yeast SKI2 and is thought to play a role in antiviral activity by inhibiting translation of poly(A) deficient mRNA. The gene encoding SKIV2L maps to human chromosome 6p21.33, a region that falls within the class III region of the major histocompatibility complex. Chromosome 6 contains 170 million base pairs and comprises nearly 6% of the human genome. Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

## REFERENCES

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3. Dangel, A.W., Shen, L., Mendoza, A.R., Wu, L.C. and Yu, C.Y. 1995. Human helicase gene SKI2W in the HLA class III region exhibits striking structural similarities to the yeast antiviral gene SKI2 and to the human gene KIAA0052: emergence of a new gene family. *Nucleic Acids Res.* 23: 2120-2126.
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5. Chen, C.Y., Gherzi, R., Ong, S.E., Chan, E.L., Raijmakers, R., Puijijn, G.J., Stoecklin, G., Moroni, C., Mann, M. and Karin, M. 2001. AU binding proteins recruit the exosome to degrade ARE-containing mRNAs. *Cell* 107: 451-464.

## CHROMOSOMAL LOCATION

Genetic locus: SKIV2L (human) mapping to 6p21.33; Skiv2l (mouse) mapping to 17 B1.

## SOURCE

SKIV2L (T-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of SKIV2L 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-169318 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

SKIV2L (T-16) is recommended for detection of SKIV2L 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 SKIV2L2.

SKIV2L (T-16) is also recommended for detection of SKIV2L in additional species, including equine, canine and porcine.

Suitable for use as control antibody for SKIV2L siRNA (h): sc-95203, SKIV2L siRNA (m): sc-153476, SKIV2L shRNA Plasmid (h): sc-95203-SH, SKIV2L shRNA Plasmid (m): sc-153476-SH, SKIV2L shRNA (h) Lentiviral Particles: sc-95203-V and SKIV2L shRNA (m) Lentiviral Particles: sc-153476-V.

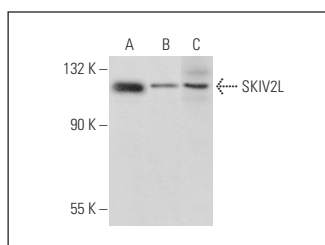
Molecular Weight of SKIV2L: 138 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, COLO 205 whole cell lysate: sc-364177 or HEK293 whole cell lysate: sc-45136.

## 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



SKIV2L (T-16): sc-169318. Western blot analysis of SKIV2L expression in Jurkat (A), COLO 205 (B) and HEK293 (C) whole cell lysates.

## 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.