

SKIV2L (1E5): sc-517119

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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2. Lee, S.G., et al. 1995. Identification and characterization of a human cDNA homologous to yeast SKI2. *Genomics* 25: 660-666.
3. Dangel, A.W., et al. 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.
4. Albertella, M.R., et al. 1996. Localization of eight additional genes in the human major histocompatibility complex, including the gene encoding the casein kinase II β subunit (CSNK2B). *Genomics* 36: 240-251.
5. Chen, C.Y., et al. 2001. AU binding proteins recruit the exosome to degrade ARE-containing mRNAs. *Cell* 107: 451-464.
6. Online Mendelian Inheritance in Man, OMIM[™]. 2001. Johns Hopkins University, Baltimore, MD. MIM Number: 600478. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
7. Kondo, N., et al. 2009. Role of RDBP and SKIV2L variants in the major histocompatibility complex class III region in polypoidal choroidal vasculopathy etiology. *Ophthalmology* 116: 1502-1509.
8. Kopplin, L.J., et al. 2010. Genome-wide association identifies SKIV2L and MYRIP as protective factors for age-related macular degeneration. *Genes Immun.* 11: 609-621.

CHROMOSOMAL LOCATION

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

SOURCE

SKIV2L (1E5) is a mouse monoclonal antibody raised against amino acids 1125-1233 representing partial length SKIV2L of human origin.

PRODUCT

Each vial contains 50 μ g in 0.5 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

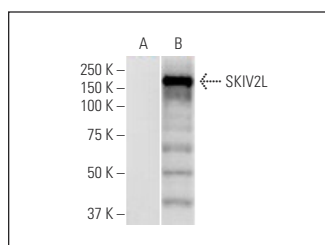
SKIV2L (1E5) is recommended for detection of SKIV2L of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

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.

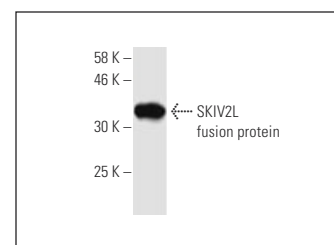
Molecular Weight of SKIV2L: 138 kDa.

Positive Controls: SKIV2L transfected 293T whole cell lysate.

DATA



SKIV2L (1E5): sc-517119. Western blot analysis of SKIV2L expression in non-transfected (A) and SKIV2L transfected (B) 293T whole cell lysates.



SKIV2L (1E5): sc-517119. Western blot analysis of human recombinant SKIV2L fusion protein.

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.

PROTOCOLS

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