

Skip (H-300): sc-30139

BACKGROUND

Skip is a unique oncoprotein that is involved in inducing both transformation and differentiation. Skip (Ski-interacting protein) is a nuclear hormone receptor that binds the highly conserved region of Ski, which is required for its transforming activity. Skip is involved in Vitamin D-mediated transcription. Specifically, Skip interacts with E7, the major transforming protein of human papillomavirus, which is implicated in the development of cervical cancer. Skip has specific inhibitory effects on BMP-2-induced differentiation and is implicated to be a novel regulator of the differentiation programming induced by TGF β signals. Skip also functions as a repressor in Notch signaling in association with the corepressor SMRT.

REFERENCES

1. Baudino, T.A., et al. 1998. Isolation and characterization of a novel co-activator protein, NCoA-62, involved in Vitamin D-mediated transcription. *J. Biol. Chem.* 273: 16434-16441.
2. Dahl, R., et al. 1998. The Ski oncoprotein interacts with Skip, the human homolog of *Drosophila* Bx42. *Oncogene* 16: 1579-1586.

CHROMOSOMAL LOCATION

Genetic locus: SKIIP (human) mapping to 14q24.3; Skiip (mouse) mapping to 12 D2.

SOURCE

Skip (H-300) is a rabbit polyclonal antibody raised against amino acids 237-536 mapping at the C-terminus of Skip of human origin.

PRODUCT

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

APPLICATIONS

Skip (H-300) is recommended for detection of Skip 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)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Skip (H-300) is also recommended for detection of Skip in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for Skip siRNA (h): sc-37164, Skip siRNA (m): sc-37165, Skip shRNA Plasmid (h): sc-37164-SH, Skip shRNA Plasmid (m): sc-37165-SH, Skip shRNA (h) Lentiviral Particles: sc-37164-V and Skip shRNA (m) Lentiviral Particles: sc-37165-V.

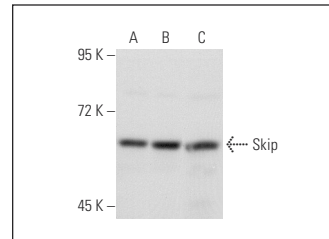
Molecular Weight of Skip: 62 kDa.

Positive Controls: A-673 nuclear extract: sc-2128, HeLa nuclear extract: sc-2120 or Skip (m): 293T Lysate: sc-123568.

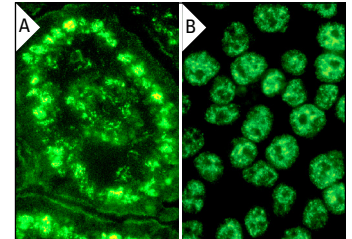
STORAGE

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

DATA



Skip (H-300): sc-30139. Western blot analysis of Skip expression in non-transfected: sc-117752 (A) and mouse Skip transfected: sc-123568 (B) 293T whole cell lysates and HeLa nuclear extract (C).



Skip (H-300): sc-30139. Immunofluorescence staining of normal mouse intestine frozen section showing nuclear staining (A). Immunofluorescence staining of methanol-fixed HeLa cells showing nuclear localization (B).

SELECT PRODUCT CITATIONS

1. Ocwieja, K.E., et al. 2011. HIV integration targeting: a pathway involving Transportin-3 and the nuclear pore protein RanBP2. *PLoS Pathog.* 7: e1001313.
2. Tolde, O., et al. 2011. Stress-induced expression of p53 target genes is insensitive to SNW1/SKIP downregulation. *Cell. Mol. Biol. Lett.* 16: 373-384.
3. Magee, T.R., et al. 2011. Maternal undernourished fetal kidneys exhibit differential regulation of nephrogenic genes including downregulation of the Notch signaling pathway. *Reprod. Sci.* 18: 563-576.
4. Liu, G., et al. 2013. High SKIP expression is correlated with poor prognosis and cell proliferation of hepatocellular carcinoma. *Med. Oncol.* 30: 537.

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 **Skip (D-5): sc-393856** or **Skip (F-10): sc-393535**, our highly recommended monoclonal alternatives to Skip (H-300).