

SkiP Antibody

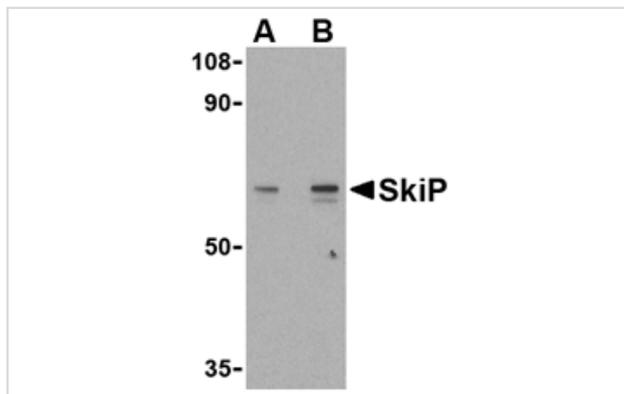
Catalog No: #24103

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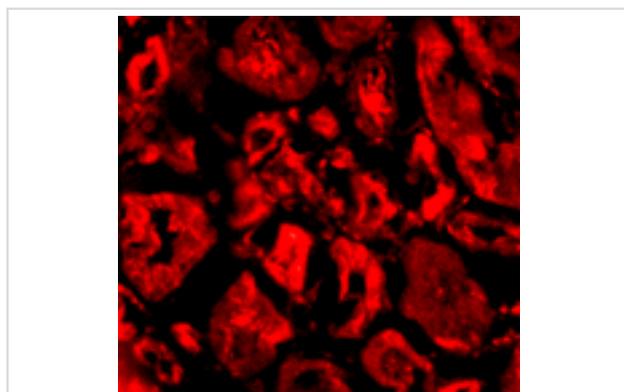
Description

Product Name	SkiP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the carboxy terminus of human SkiP.
Target Name	SkiP
Other Names	Ski-interacting protein, SNW1, nuclear receptor coactivator NcoA-62
Accession No.	NP_036377
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of SkiP in mouse skeletal muscle tissue lysate with SkiP antibody at (A) 0.5 and (B) 1 ug/mL.



Immunofluorescence of Ski in human kidney tissue with Ski antibody at 20 ug/mL.

Background

TGF-beta and the bone morphogenic proteins (BMPs) are key signaling proteins that regulate numerous cellular processes such as embryonic development and tumorigenesis. Both signal through the Smad protein family and are negatively regulated by Ski and SnoN, two related proto-oncoproteins. Ski functions by binding to the Smad proteins activated by TGF-beta and the (BMPs) and preventing their phosphorylation, inhibiting their ability to bind DNA and activate the transcription of downstream genes. SkiP was originally identified as a Ski-interacting protein and was later found to augment the signals induced by TGF-beta but inhibit transcription induced by BMP-2 in C2C12 cells, suggesting that SkiP is a key player in the signaling cascades initiated by TGF-beta and the BMP protein family.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.