Datasheet for ABIN500734

anti-SKI antibody (N-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	SKI
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SKI antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Ski antibody was raised against a 14 amino acid peptide from near the amino terminus of human Ski.
Isotype:	IgG
Specificity:	This antibody detects Ski. it will also bind to the Smad proteins specific to bone morphogenic proteins (BMPs) and block BMP signaling in mammalian cells.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Peptide affinity chromatography

Target Details

Target:	SKI

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Target Details

Alternative Name:	SKI (SKI Products)
Background:	TGF-beta is a ubiquitously expressed cytokine that signals through the Smad protein family to regulate numerous cellular processes such as embryonic development and tumorigenesis. This signaling is negatively regulated by Ski, the mammalian homolog of the transforming protein of an avian retrovirus that induces oncogenic transformation of chicken embryo cells, and the related protein SnoN. Ski functions by binding to the Smad proteins and preventing their phosphorylation, thereby inhibiting their ability to bind DNA and activate the transcription of downstream genes.Synonyms: Proto-oncogene c-Ski, Ski oncogene, ski oncoprotein, v-ski avian sarcoma viral oncogene homolog
Gene ID:	6497
UniProt:	P12755
Pathways:	Stem Cell Maintenance, Tube Formation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	ELISA. Western blot: 1 - 2 µg/mL. Immunoflourescence. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

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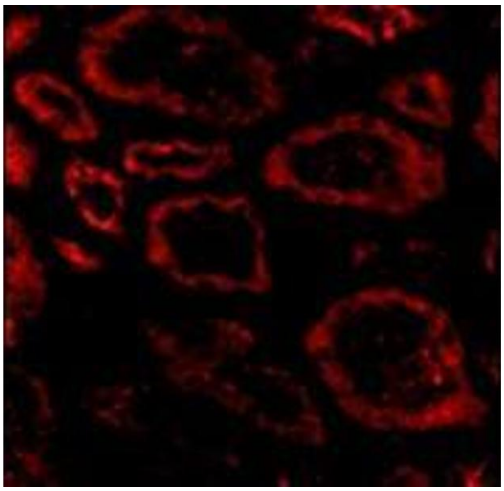
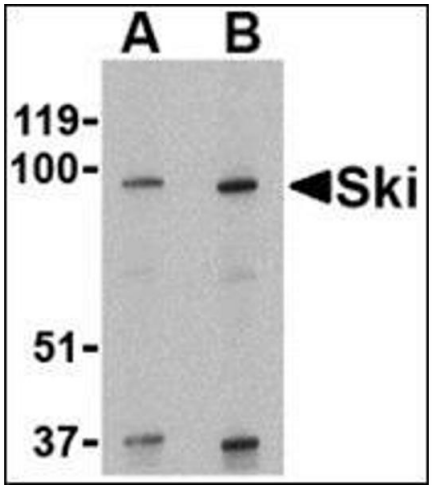


Immunofluorescence

Image 1. Immunofluorescence of Ski in human kidney tissue with this product at 20 µg/ml.



Western Blotting

Image 2. Western blot analysis of Ski in human kidney tissue lysate with this product at (A) 1 and (B) 2 µg/ml.

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