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Datasheet for 600-401-EM7

SKI Antibody

Overview

Description:	Anti-SKI (RABBIT) Antibody - 600-401-EM7
Item No.:	600-401-EM7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

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. Ski will also bind to the Smad proteins specific to bone morphogenic proteins (BMPs) and block BMP signaling in mammalian cells.
Synonyms:	Ski Antibody, SGS, SKV, Ski oncogene, Proto-oncogene c-Ski
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SKI
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Ski antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide from near the N-terminus of human Ski.

Purity/Specificity:	Anti-Ski Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Ski from other sources has not been determined.
Relevant Links:	• UniProtKB - P12755 • GeneID - 6497 • NCBI - P12755

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Ski Antibody has been tested for use in ELISA, Western Blotting, immunohistochemistry, and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 80 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	20 µg/mL
WB:	1-2 µg/mL

Formulation

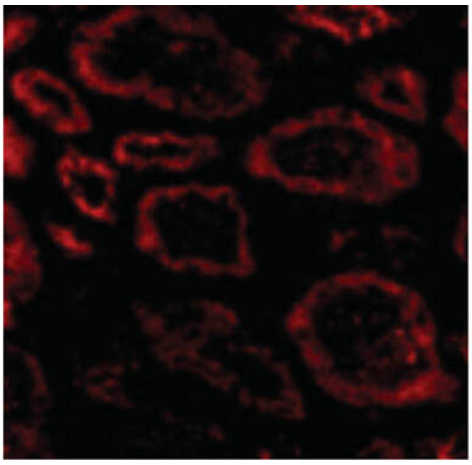
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

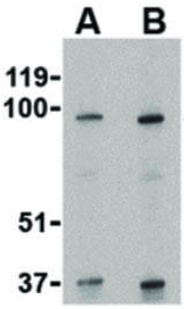
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Ski antibody. Tissue: Human kidney cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: Ski antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Ski is nuclear and occasionally cytoplasmic. Staining: Ski as red fluorescent signal.



Western Blot
Western Blot of Ski antibody. Lane 1: Human kidney tissue lysate with Ski at 1 µg/mL. Lane 2: Human kidney tissue lysate with Ski at 2 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 80 kDa, 95 kDa for Ski. Other band (s): Ski splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.