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SKI Rabbit pAb

Catalog # AP98329

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P12755
Other Accession	P12755
Predicted	Rat, Human, Mouse, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	80005
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C-SKI
Epitope Specificity	551-650/728
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the SKI family.
SUBUNIT	Interacts with SMAD2, SMAD3 and SMAD4. Interacts with HIPK2. Part of a complex with HIPK2 and SMAD1/2/3. Interacts with PRDM16 and SMAD3; the interaction with PRDM16 promotes the recruitment SMAD3-HDAC1 complex on the promoter of TGF-beta target genes.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SKI is a nuclear protein that forms homodimers and heterodimers and binds to DNA to function as transcriptional activators and repressors. The SKI oncoprotein dramatically affects cell growth, differentiation, and/or survival. SKI was shown to act in distinct signaling pathways including those involving nuclear receptors, transforming growth factor beta, and tumor suppressors. SKI inhibits transforming growth factor-beta (TGF-beta) signaling through interaction with Smad proteins. SKI represses Smad-mediated transcriptional activation, probably through its action as a transcriptional co-repressor. SKI also inhibits TGF-beta-induced downregulation of genes such as c-myc.

Additional Information

Gene ID	6497
Other Names	SGS; SKV; 2310012I02Rik; 2610001A11Rik; SKI_CHICK; SKI; Proto-oncogene c-Ski; SKI_HUMAN; SKI_MOUSE; SKI proto-oncogene; v-ski avian sarcoma viral oncogene homolog; Sloan-Kettering Institute proto-oncogene
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SKI
Function	May play a role in terminal differentiation of skeletal muscle cells but not in the determination of cells to the myogenic lineage. Functions as a repressor of TGF-beta signaling.
Cellular Location	Nucleus.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.