

SKI Rabbit pAb

Catalog # AP98329

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P12755
Other Accession	P12755
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'.