

Ski

Ski and SnoN are two proto-oncogenes that, at high cellular concentrations, are associated with tumors. Up to now, apart the fact that SnoN and Ski were known to bind to DNA indirectly, very little was known about the mechanism which enables these factors to induce tumorigenesis. We know now that SnoN and Ski interact with the SMAD proteins which are mediators of TGF-beta signaling. Ligand-activated SMADs recruit SnoN and Ski as well as their partner, histone deacetylase, to TGF-beta responsive promoters resulting in downregulation of the gene expression. Whereas physiologic concentrations of SnoN and Ski allow a feedback regulation of TGF-beta signaling, deregulation of SnoN or Ski expression leads to total inhibition of TGF-beta signaling and of the tumor suppressors Smad2 and Smad4, which can explain the role of SnoN and Ski as oncogenes.

SnoN

Anti-Ski, monoclonal

Research Applications

<i>Immunoblotting:</i>	1-5 µg/ml
<i>Immunoprecipitation:</i>	1-4 µg/sample
<i>Immunofluorescence:</i>	1-10 µg/ml

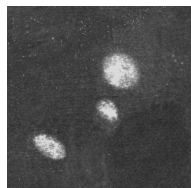
Product Description

<i>Host / Ig Type:</i>	mouse IgG1 (clone G8)
<i>Purification:</i>	protein G chromatography
<i>Immunogen:</i>	v-Ski fusion protein
<i>Specificity:</i>	detects cellular Ski at ~95 kDa and hyperphosphorylated forms ranging to 115 kDa
<i>Reactivity:</i>	human, mouse, rat, chicken, <i>Xenopus</i>
<i>Liquid Carrier:</i>	PBS/0.05% sodium azide
<i>Storage:</i>	-20°C
<i>Stability:</i>	2 years

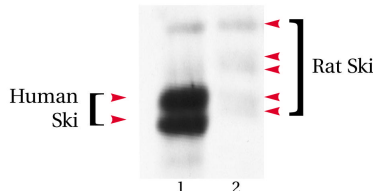
Catalog Information

Lot Number:	011-7050
Catalog Number:	ABM-3001
Mass:	100 µg
Price:	\$295

Quality Control



Immunofluorescence
Photomicrograph illustrates retrovirally over-expressed v-Ski in fibroblasts; stain effected with Cascade Bioscience Ski antibody (catalog number ABM-3001).



Immunoblot Analyses
Rat cells infected with (lane 1) pBABEpuro hSki expressing full length human Ski proteins of ~95 kDa and 100 kDa (100 kDa is the hyperphosphorylated form of 95 kDa) and (lane 2) infected with pBABEpuro vector showing endogenous Ski proteins ranging from ~97 kDa to 115 kDa. Blot probed with G8 IgG1 at 1 microgram/ml.

Anti-SnoN, monoclonal

Research Applications

<i>Immunoblotting:</i>	1-5 µg/ml
<i>Immunoprecipitation:</i>	5 µg/sample

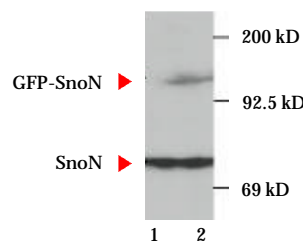
Product Description

<i>Host / Ig Type:</i>	mouse IgG1 (clone 1G1)
<i>Purification:</i>	protein G chromatography
<i>Immunogen:</i>	SnoN fusion protein
<i>Specificity:</i>	detects SnoN by immunoblot analysis at 80 kDa
<i>Reactivity:</i>	human, chicken, others being evaluated
<i>Liquid Carrier:</i>	PBS/0.05% sodium azide
<i>Storage:</i>	-20°C
<i>Stability:</i>	2 years

Catalog Information

Lot Number:	011-1116
Catalog Number:	ABM-3002
Mass:	100 µg
Price:	\$295

Quality Control



Immunoblot Analyses
293T cells (lane 1) and 293T stably expressing GFP-SnoN cells probed at 1 microgram/ml



www.cascadebioscience.com
(781) 721-4758