

Anti-SKP2 Antibody Picoband™

Catalog Number: A00544

About SKP2

The F box protein Skp2 (S-phase kinase-associated protein 2) is oncogenic, and its frequent amplification and overexpression correlate with the grade of malignancy of certain tumors. Skp2 controls p300-p53 signaling pathways in cancer cells, making it a potential molecular target for cancer therapy. This gene positively regulates the G (1)-S transition by controlling the stability of several G (1) regulators, such as the cell cycle inhibitor p27. This study provides evidence of a role for an F-box protein in oncogenesis and establishes SKP2 as a protooncogene causally involved in the pathogenesis of lymphomas.

Overview

Product Name	Anti-SKP2 Antibody Picoband™
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SKP2 Antibody Picoband™ catalog # A00544. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q13309

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human SKP2, which shares 88.9% and 94.4% amino acid (aa) sequence identity with mouse and rat SKP2, respectively.
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml</p>

Anti-SKP2 Antibody Picoband™ (A00544) Images

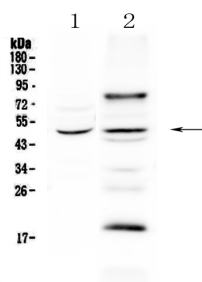


Figure 1. Western blot analysis of SKP2 using anti-SKP2 antibody (A00544).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: human SGC-7901 whole cell lysates,

Lane 2: human SK-OV-3 whole cell lysates.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SKP2 antigen affinity purified polyclonal antibody (Catalog # A00544) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SKP2 at approximately 48KD. The expected band size for SKP2 is at 48KD.

4 Publications Citing This Product

1. PubMed ID: 24265759, Chen Xm, Bai Y, Zhong Yj, Xie Xi, Long Hw, Yang Yy, Wu Sg, Jia Q, Wang Xh. Plos One. 2013 Nov 12;8(11):E79201. Doi: 10.1371/Journal.Pone.0079201. Ecollection 2013. Wogonin Has Multiple Anti-Cancer Effects By Regulating C-Myc/Skp2/Fbw7?? And Hdac1/...
2. PubMed ID: 25333250, Chen Xm, Xie Xb, Zhao Q, Wang F, Bai Y, Yin Jq, Jiang H, Xie Xi, Jia Q, Huang G. Mol Med Rep. 2015 Jan;11(1):105-12. Doi: 10.3892/Mmr.2014.2733. Epub 2014 Oct 21. Ampelopsin Induces Apoptosis By Regulating Multiple C-Myc/S-Phase Kinase-Associated ...
3. PubMed ID: 24788380, Xu F, Zhu X, Han T, You X, Liu F, Ye L, Zhang X, Wang X, Yao Y. Int J Oncol. 2014 Jul;45(1):255-63. Doi: 10.3892/Ijo.2014.2411. Epub 2014 Apr 29. The Oncoprotein Hepatitis B X-Interacting Protein Promotes The Migration Of Ovarian Cancer Cells Thro...

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