Datasheet for ABIN872869

anti-SKA3 antibody (AA 201-300)

10 Images | 1 Publication

Go to Product page

Overview

Quantity:	100 µL
Target:	SKA3
Binding Specificity:	AA 201-300
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SKA3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SKA3
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Cow,Sheep,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	SKA3

Target Details

Alternative Name:	SKA3 (SKA3 Products)
Background:	Synonyms: C13orf3, RAMA1, SKA3, SKA3_HUMAN, Spindle and kinetochore associated complex subunit 3, Spindle and kinetochore-associated protein 3. Background: Component of the SKA1 complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation. The SKA1 complex is a direct component of the kinetochore-microtubule interface and directly associates with microtubules as oligomeric assemblies. The complex facilitates the processive movement of microspheres along a microtubule in a depolymerization-coupled manner. In the complex, it mediates the microtubule-stimulated oligomerization.

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

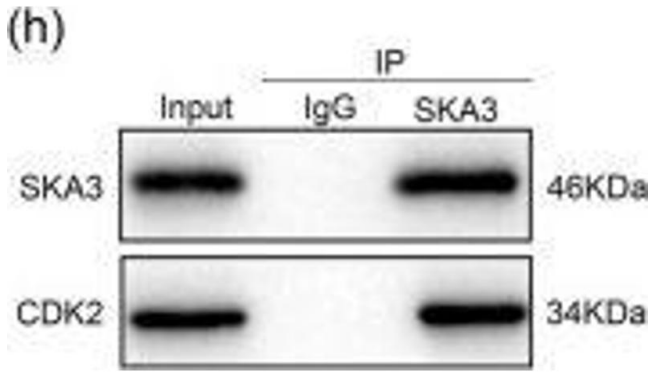
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in: Hou, Wang, Huang, Sun, Zhao, Shi, Li, Wang, He, Tam, Wu: "SKA3 Promotes tumor growth by regulating CDK2/P53 phosphorylation in hepatocellular carcinoma." in: **Cell death & disease**, Vol. 10, Issue 12, pp. 929, (2020) (PubMed).

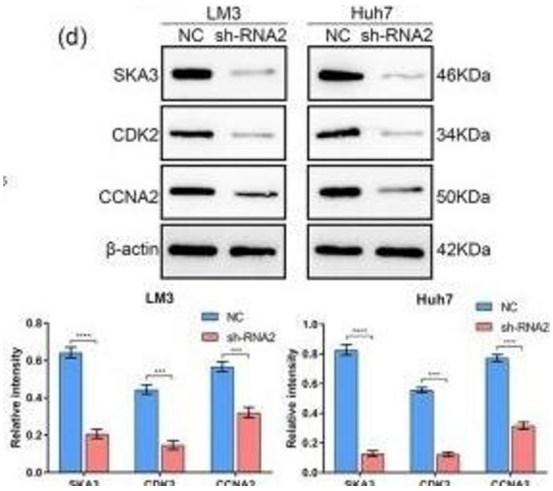
Images



Western Blotting

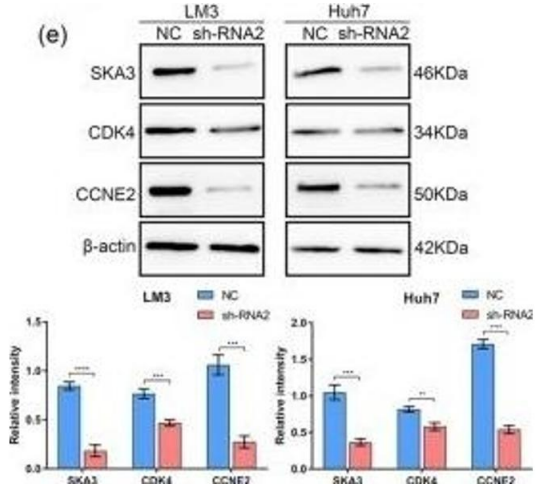
Image 1. SKA3 inhibited the interaction between CDK2 and p53.a Western blot analysis of SKA3, CDK2, p53, and phosphorylated p53 in sh-SKA3, sh-SKA3+ CDK2 and control groups. The ratio shows relative protein expression normalized for β-actin. b Western blot analysis of SKA3, CDK2, p53, and phosphorylated p53 in sh-SKA3, BGG463 and control groups. c, g Total lysates from HEK193T cells expressing Flag-SKA3 and HA-CDK2 were subjected to IP with HA Ab or Flag Ab, followed by western blotting using the indicated antibodies (Abs). HA-P53 and Flag-CDK2 were used as a loading control. d, h Total lysates from HEK293T cells expressing SKA3 or CDK2 were subjected to IP with SKA3 Ab or CDK2 Ab, followed by western blotting using the indicated Abs. e, i Total lysates from HEK293T cells expressing HA-P53 and Flag-CDK2 in the presence of GST-SKA3 were subjected to IP with Flag Ab or HA Ab, followed by western blotting using the indicated Abs. f, j Total lysates from HEK293T cells expressing HA-P53 and Flag-CDK2 in the presence of siRNA-SKA3 were subjected to IP with Flag Ab or HA Ab, followed by western blotting using the indicated Abs. k Total lysates from HEK293T cells expressing HA-P53 and Flag-CDK2 in the presence of GST-SKA3 and BGG463 were subjected to IP with Flag Ab, followed by western blotting using the indicated Abs. l Total lysates from HEK293T cells expressing HA-P53 and Flag-CDK2 in the presence of siRNA-SKA3 and BGG463 were subjected to IP with Flag Ab, followed by western blotting

using the indicated Abs. All *P<0.05, **P<0.01, ***P<0.001, ****P<0.0001. - figure provided by CiteAb. Source: PMID31804459



Western Blotting

Image 2. Downregulation of SKA3 affects the cell cycle in HCC cells.a GSEA analysis suggested that SKA3 is related to cell cycle in HCC using TCGA datasets. b Depletion of SKA3 triggered G2 block in LM3 and Huh7 cells. c Correlation analysis showed that SKA3 is strongly related with CDK1, CDK2, CDK4, CCNA2, and CCNE2. d, e Western blot analysis suggested that knockdown of SKA3 upregulated CDK2, CDK4, CCNA2, and CCNE2. All *P<0.05, **P<0.01, ***P<0.001, ****P<0.0001. - figure provided by CiteAb. Source: PMID31804459



Western Blotting

Image 3. Downregulation of SKA3 affects the cell cycle in HCC cells.a GSEA analysis suggested that SKA3 is related to cell cycle in HCC using TCGA datasets. b Depletion of SKA3 triggered G2 block in LM3 and Huh7 cells. c Correlation analysis showed that SKA3 is strongly related with CDK1, CDK2, CDK4, CCNA2, and CCNE2. d, e Western blot analysis suggested that knockdown of SKA3 upregulated CDK2, CDK4, CCNA2, and CCNE2. All *P<0.05, **P<0.01, ***P<0.001, ****P<0.0001. - figure provided by CiteAb. Source: PMID31804459

Please check the product details page for more images. Overall 10 images are available for ABIN872869.