Datasheet for ABIN129682

anti-PPP1R13L antibody (Isoform 1)

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Overview

Quantity:	100 µg
Target:	PPP1R13L
Binding Specificity:	AA 780-797, Isoform 1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP1R13L antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 780-797 of human iASPP protein.
Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	PPP1R13L
Abstract:	PPP1R13L Products
Background:	ASPP proteins (ASPP1, ASPP2 and iASPP) represent a new family of p53 binding proteins. ASPP1 and ASPP2 bind and enhance p53-mediated apoptosis. In contrast, the third member,

Target Details

	iASPP, functionally inactivates p53. iASPP (also called protein phosphatase 1 regulatory (inhibitor) subunit 13 like protein, Inhibitor of ASPP protein, Protein iASPP, PPP1R13B-like protein and NFkB-interacting protein 1) plays a central role in regulation of apoptosis and transcription via its interaction with NF-kappa-B and p53/TP53 proteins. iASPP blocks transcription of HIV-1 virus by inhibiting the action of both NF-kappa-B and SP1. Synonyms: inhibitor of apoptosis stimulating protein of p53 antibody, Inhibitor of ASPP protein antibody, NFkB interacting protein 1 antibody, NKIP1 antibody, PPP1R13B-like protein antibody
Gene ID:	10848, 63003907
UniProt:	Q8WUF5

Application Details

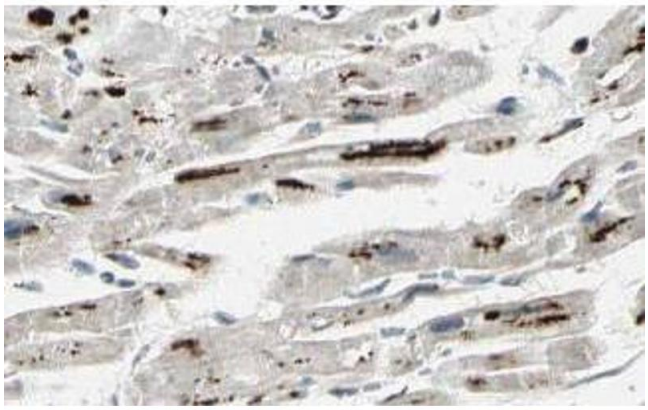
Application Notes:	This affinity purified antibody has been tested for use in ELISA, immunohistochemistry and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect bands approximately 100 kDa and 50 kDa in size corresponding to isoforms 1 and 2 respectively of iASPP protein by western blotting in the appropriate cell lysate or extract.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

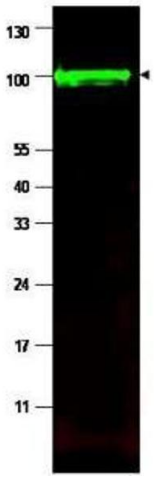
Publications

Product cited in:	Saravanan, Sareen, Abu-El-Rub, Ashour, Sequiera, Ammar, Gopinath, Shamaa, Sayed, Moudgil, Vadivelu, Dhingra: "Graphene Oxide-Gold Nanosheets Containing Chitosan Scaffold Improves Ventricular Contractility and Function After Implantation into Infarcted Heart." in: **Scientific reports**, Vol. 8, Issue 1, pp. 15069, (2019) (PubMed).



Immunohistochemistry

Image 1. Affinity Purified anti-iASPP antibody shows strong cytoplasmic and membranous staining of myocytes in human heart tissue. Tissue was formalin-fixed and paraffin embedded. Brown color indicates presence of protein, blue color shows cell nuclei.



Western Blotting

Image 2. Western blot using affinity purified anti-iASPP antibody shows detection of a band at ~100 kDa (arrowhead) corresponding to isoform 1 of iASPP in MCF7 whole cell lysates. Preincubation with immunizing peptide blocks specific band staining (data not shown). Approximately 35 ug of lysate was separated by 4-20% Tris Glycine SDS-PAGE. After blocking, the membrane was probed with the primary antibody diluted to 1:1,500 in 5% BLOTTO/PBS overnight at 4°C. The membrane was washed and reacted with a 1:10,000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L] for 45 min at room temperature (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers. IRDye800 fluorescence image was captured using the Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.

