Datasheet for ABIN238670

anti-FNIP1 antibody (Internal Region)

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Overview

Quantity:	100 µg
Target:	FNIP1
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This FNIP1 antibody is un-conjugated
Application:	ELISA

Product Details

Purpose:	FNIP1
Immunogen:	C-ENISQQEREDIQN
Sequence:	ENISQQERED IQN
Isotype:	IgG
Specificity:	This antibody is expected to recognise both reported isoforms (NP_001008738.2 and NP_588613.2)
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Recent

Target Details

Target:	FNIP1
Alternative Name:	FNIP1 (FNIP1 Products)
Background:	FNIP1, folliculin interacting protein 1, DKFZp686E18167, DKFZp781P0215, KIAA1961, MGC667, folliculin-interacting protein 1
Gene ID:	96459
NCBI Accession:	NP_001008738, NP_588613

Application Details

Application Notes:	Western Blot: Preliminary experiments in Human Heart, Liver, Ovary and Spleen lysates gave no specific signal but low background (at antibody concentration up to 1 µg/mL). We would appreciate any feedback from people in the field - have any results been r Peptide ELISA: antibody detection limit dilution 1:32000.
Restrictions:	For Research Use only

Handling

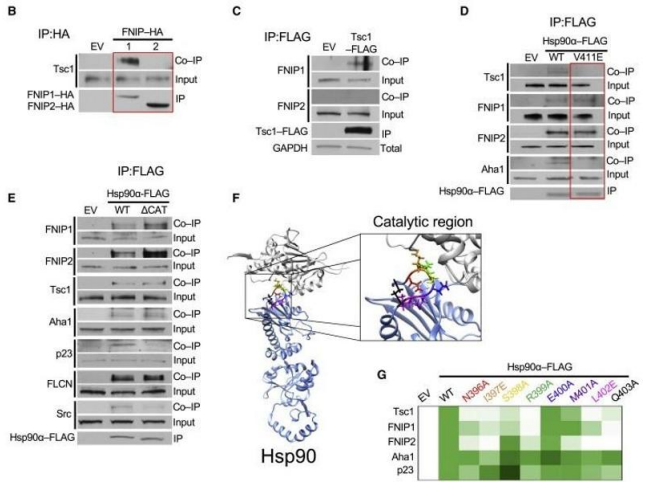
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

Product cited in:	Backe, Sager, Regan, Sit, Major, Bratslavsky, Woodford, Bourboulia, Mollapour: "A specialized Hsp90 co-chaperone network regulates steroid hormone receptor response to ligand." in: **Cell**

reports, Vol. 40, Issue 2, pp. 111039, (2022) (PubMed).

Images



Western Blotting

Image 1. Hsp90 catalytic loop facilitates binding of Tsc1 and FNIPs co-chaperones: (B) FNIP1-HA, FNIP2-HA, or empty vector (EV; control) was immunoprecipitated from HEK293 cells. coIP of Tsc1 was examined by immunoblot. (C) Tsc1-FLAG was immunoprecipitated from HEK293 cells. coIP of FNIP1 or FNIP2 was examined by immunoblot. GAPDH was used as a loading control. (D) Hsp90α-FLAG-wild type (WT) and -V411E were transiently transfected and immunoprecipitated from HEK293 cells. EV was used as a control. coIP of co-chaperones were examined by immunoblot. (E) Full-length Hsp90α-FLAG or Hsp90 without the catalytic loop (ΔCAT) was expressed and immunoprecipitated from HEK293 cells. coIP of clients and co-chaperones was evaluated by immunoblot. EV was used as a control. Source: PMID35830801