Datasheet for ABIN969245

anti-KLHL13 antibody

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Overview

Quantity:	100 µL
Target:	KLHL13
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human KLHL13 expressed in E. coli.
Clone:	8D1
Isotype:	IgG1
Purification:	purified

Target Details

Target:	KLHL13
Alternative Name:	KLHL13 (KLHL13 Products)
Background:	Description: KLHL13 (kelch-like 13), also known as BKLHD2 (BTB and kelch domain-containing protein 2), is a 604 amino acid protein that contains six Kelch repeats and one BTB/POZ domain. Expressed predominantly in brain, KLHL13 is believed to play a role in protein ubiquitination and may function as a substrate- specific adapter of an E3 ubiquitin-protein

Target Details

	ligase complex. E3 ligases accept a ubiquitin residue from an E2 ubiquitin-conjugating enzyme and immediately transfer that residue to a protein that is targeted for degradation. Specifically, KLHL13 interacts with KLHL9 and CUL-3, a member of the cullin family of mediators that participate in the selective targeting of proteins for ubiquitin-mediated proteolysis. Via its BTB and C-terminal Kelch (BACK) motif, KLHL13 is thought to play a role in spatially orientating substrates in the CUL-3 ligase. Aliases: BKLHD2, FLJ10262, MGC74791, KLHL13
Molecular Weight:	74 kDa
Gene ID:	90293
HGNC:	90293

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
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:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

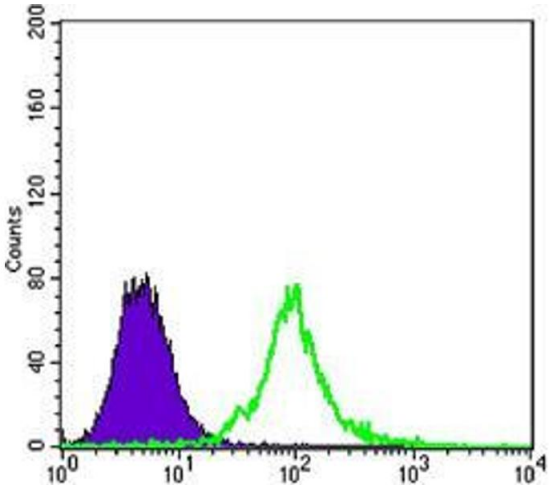
Publications

Product cited in:	Durkin, Guo, Fryrear, Mihaylova, Gupta, Belgnaoui, Haoudi, Kupfer, Semmes: "HTLV-1 Tax oncoprotein subverts the cellular DNA damage response via binding to DNA-dependent protein kinase." in: **The Journal of biological chemistry**, Vol. 283, Issue 52, pp. 36311-20, (2008) (PubMed). Huston, Lynch, Mohamed, Collins, Hill, MacLeod, Krause, Baillie, Houslay: "EPAC and PKA allow

Publications

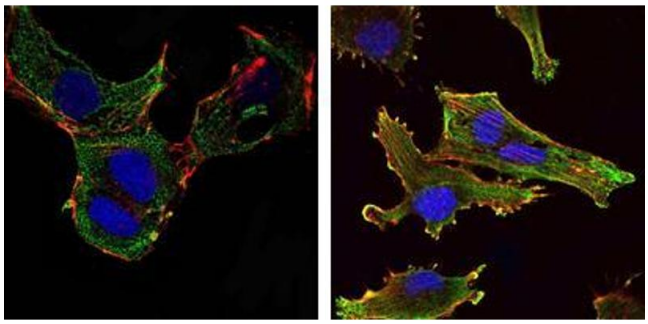
cAMP dual control over DNA-PK nuclear translocation." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 105, Issue 35, pp. 12791-6, (2008) (PubMed).

Images



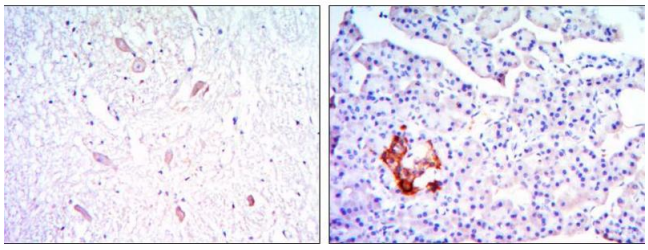
Flow Cytometry

Image 1. Flow cytometric analysis of 3T3/L1 cells using KLHL13 mouse mAb (green) and negative control (purple).



Immunofluorescence

Image 2. Immunofluorescence analysis of NTERA-2 cells (left) and U251 (right) cells using KLHL13 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded brain tissues (left) and pancreas tissues (right) using KLHL13 mouse mAb with DAB staining.

Images

Please check the product details page for more images. Overall 4 images are available for ABIN969245.