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Datasheet for ABIN7157267 anti-KLHL12 antibody (AA 1-220)

2 Images



Overview

Quantity:	100 µg
Target:	KLHL12
Binding Specificity:	AA 1-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KLHL12 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Kelch-like protein 12 protein (1-220AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	KLHL12
Alternative Name:	KLHL12 (KLHL12 Products)
Background:	Background: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex
	that acts as a negative regulator of Wnt signaling pathway and ER-Golgi transport. The

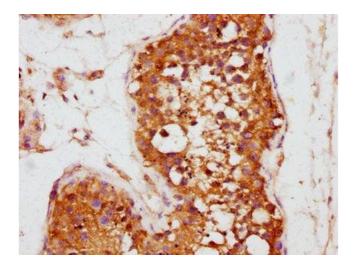
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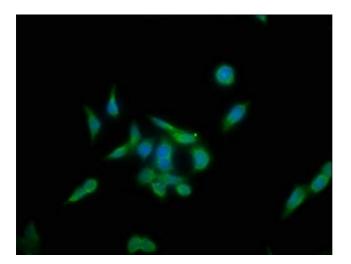
	BCR(KLHL12) complex is involved in ER-Golgi transport by regulating the size of COPII coats,
	thereby playing a key role in collagen export, which is required for embryonic stem (ES) cells
	division: BCR(KLHL12) acts by mediating monoubiquitination of SEC31 (SEC31A or SEC31B).
	As part of the BCR(KLHL12) complex, also acts as a negative regulator of the Wnt signaling
	pathway by mediating ubiquitination and subsequent proteolysis of DVL3. The BCR(KLHL12)
	complex also mediates polyubiquitination of DRD4, without leading to degradation of DRD4.
	Aliases: C3IP1 antibody, CUL3 interacting protein 1 antibody, CUL3-interacting protein 1
	antibody, DKIR antibody, DKIR homolog antibody, FLJ27152 antibody, hDKIR antibody, Kelch
	like 12 (Drosophila) antibody, Kelch like 12 antibody, Kelch like 12 variant antibody, Kelch like
	protein 12 antibody, Kelch like protein C3IP1 antibody, kelch-like family member 12 antibody,
	Kelch-like protein 12 antibody, KLH12_HUMAN antibody, KLHL 12 antibody, klhl12 antibody,
	OTTHUMP00000038799 antibody
UniProt:	Q53G59

Application Details

Application Notes:	Recommended dilution: IHC:1:500-1:1000, IF:1:50-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be
	handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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Immunohistochemistry

Image 1. IHC image of ABIN7157267 diluted at 1:800 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Immunofluorescence

Image 2. Immunofluorescence staining of PC-3 cells with ABIN7157267 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

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