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Datasheet for ABIN7157279

anti-KLHL2 antibody (AA 1-200) (FITC)

Overview

Quantity:	100 µg
Target:	KLHL2
Binding Specificity:	AA 1-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KLHL2 antibody is conjugated to FITC
Application:	Please inquire

Product Details

Immunogen:	Recombinant Human Kelch-like protein 20 protein (1-200AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	KLHL2
Alternative Name:	KLHL2 (KLHL2 Products)
Background:	Background: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex involved in interferon response and anterograde Golgi to endosome transport. The

Target Details

BCR(KLHL20) E3 ubiquitin ligase complex mediates the ubiquitination of DAPK1, leading to its degradation by the proteasome, thereby acting as a negative regulator of apoptosis (PubMed:20389280). The BCR(KLHL20) E3 ubiquitin ligase complex also specifically mediates 'Lys-33'-linked ubiquitination (PubMed:24768539). Involved in anterograde Golgi to endosome transport by mediating 'Lys-33'-linked ubiquitination of CORO7, promoting interaction between CORO7 and EPS15, thereby facilitating actin polymerization and post-Golgi trafficking (PubMed:24768539). Also acts as a regulator of endothelial migration during angiogenesis by controlling the activation of Rho GTPases. The BCR(KLHL20) E3 ubiquitin ligase complex acts as a regulator of neurite outgrowth by mediating ubiquitination and degradation of PDZ-RhoGEF/ARHGEF11 (PubMed:21670212). In case of tumor, the BCR(KLHL20) E3 ubiquitin ligase complex is involved in tumor hypoxia: following hypoxia, the BCR(KLHL20) complex mediates ubiquitination and degradation of PML, potentiating HIF-1 signaling and cancer progression (PubMed:21840486).

Aliases: Kelch like ECT2 interacting protein antibody, Kelch like protein 20 antibody, Kelch like protein X antibody, Kelch motif containing protein antibody, Kelch-like ECT2-interacting protein antibody, Kelch-like protein 20 antibody, Kelch-like protein X antibody, KHLHX antibody, KLEIP antibody, KLH20_HUMAN antibody, KLHL20 antibody, KLHLX antibody, RP3-383J4.3 antibody

UniProt: [Q9Y2M5](#)

Application Details

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.