

KLHL9 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5173c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9P2J3
Other Accession	Q6ZPT1 , Q2T9Z7
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26346
Calculated MW	69429
Antigen Region	299-326

Additional Information

Gene ID	55958
Other Names	Kelch-like protein 9, KLHL9, KIAA1354
Target/Specificity	This KLHL9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 299-326 amino acids from the Central region of human KLHL9.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	KLHL9 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KLHL9
Synonyms	KIAA1354

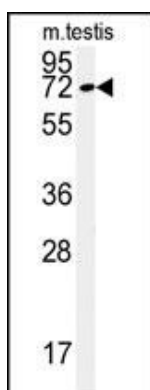
Function

Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for mitotic progression and cytokinesis. The BCR(KLHL9-KLHL13) E3 ubiquitin ligase complex mediates the ubiquitination of AURKB and controls the dynamic behavior of AURKB on mitotic chromosomes and thereby coordinates faithful mitotic progression and completion of cytokinesis.

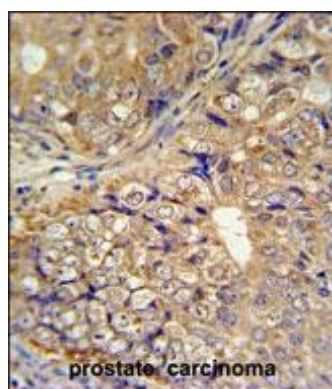
Background

KLHL9 is substrate-specific adapter for a CUL3-based E3 ubiquitin-protein ligase complex. Within this complex, it controls the dynamic behavior of AURKB on mitotic chromosomes and thereby coordinates faithful mitotic progression and completion of cytokinesis.

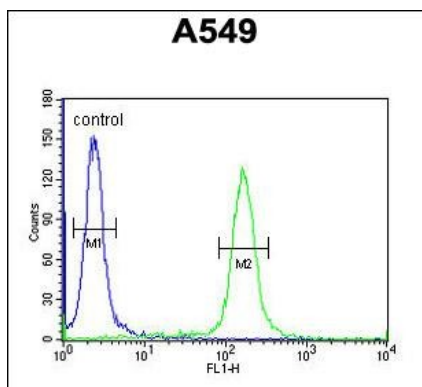
Images



Western blot analysis of KLHL9 Antibody (Center) (Cat. #AP5173c) in mouse testis tissue lysates (35ug/lane). KLHL9 (arrow) was detected using the purified Pab.



KLHL9 Antibody (Center) (Cat. #AP5173c) IHC analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KLHL9 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



KLHL9 Antibody (Center) (Cat. #AP5173c) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.