

For Research Use Only

KLHL14-Specific Polyclonal antibody



Catalog Number: 14849-1-AP

Featured Product

1 Publications

Basic Information

Catalog Number: 14849-1-AP	GenBank Accession Number: NM_020805	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop;	GeneID (NCBI): 57565	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	Full Name: kelch-like 14 (Drosophila)	
Isotype: IgG	Calculated MW: 70 kDa	
	Observed MW: 39-45 kDa	

Applications

Tested Applications:
IF, IHC, WB, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, mouse heart tissue, mouse testis tissue, mouse lung tissue, mouse liver tissue, SH-SY5Y cells, mouse brain tissue, mouse ovary tissue, HepG2 cells, rat brain tissue, PC-12 cells, mouse kidney tissue

IHC : human heart tissue, human cervical cancer tissue

IF : HepG2 cells,

Background Information

KLHL14, a member of the Kelch-like gene family, has six Kelch domains and is localized to the endoplasmic reticulum. KLHL14, a novel tumor suppressor, is a subunit of a ubiquitin ligase that associates with the endoplasmic reticulum-associated protein degradation (ERAD) machinery, regulating of B cell receptor-dependent NF-κB signaling (PMID: 32127472). KLHL14 has two isoforms of 70kDa and 43kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Zheng Chen	33425096	Int J Clin Exp Pathol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

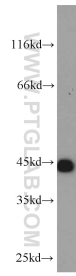
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

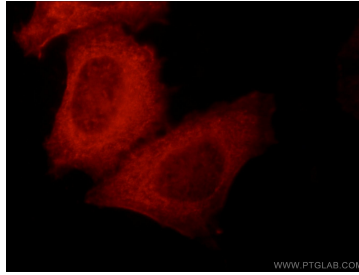
E: proteintech@ptglab.com
W: ptglab.com

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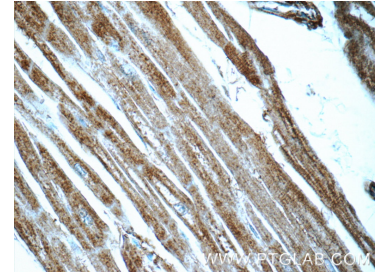
Selected Validation Data



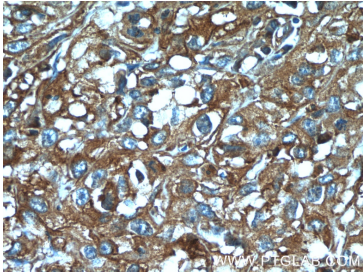
HeLa cells were subjected to SDS PAGE followed by western blot with 14849-1-AP (KLHL14-Specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



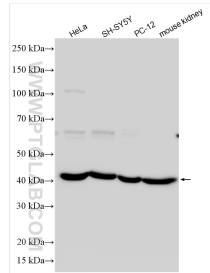
Immunofluorescent analysis of HepG2 cells, using KLHL14 antibody 14849-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 14849-1-AP (KLHL14-Specific Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 14849-1-AP (KLHL14-Specific Antibody) at dilution of 1:50 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 14849-1-AP (KLHL14-Specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.