

For Research Use Only

HUWE1 Polyclonal antibody

Catalog Number: 19430-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 19430-1-AP	GenBank Accession Number: BC002602	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10075	Recommended Dilutions: WB 1:500-1:3000 IHC 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q7Z6Z7	
Isotype: IgG	Full Name: HECT, UBA and WWE domain containing 1	
Immunogen Catalog Number: AG13763	Calculated MW: 437 aa, 482 kDa	
	Observed MW: 482 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IP, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

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 : Daudi cells, HEK-293 cells

IHC : human lung cancer tissue, human lung tissue, human colon cancer tissue

Background Information

HUWE1 encodes a HECT domain ubiquitin ligase which is a large protein (500 kDa) has attracted considerable interest because several and quite disparate substrates have been assigned to this E3. It has a role in regulating Bergmann glia differentiation and this ubiquitin ligase orchestrates the programming of the neural progenitors that give rise to neurons and glia in the cerebellum. HUWE1 is essential for proliferation of a subset of tumor cells, and negative regulator of TP53 during the colorectal carcinoma progression through the ubiquitination pathway mediated by the HECT domain (PMID:15567145). HUWE1 plays a critical role in lung cancer and increased HUWE1 expression is significantly associated with worse prognosis which suggest that HUWE1 might be a potential target for lung cancer therapy (PMID: 30026863).

Notable Publications

Author	Pubmed ID	Journal	Application
Patricia Wilson	34553755	J Cell Sci	WB,IP
Hui You	28137758	J Cell Sci	WB
Qian Zhu	32017279	FASEB J	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

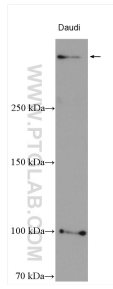
For technical support and original validation data for this product please contact:

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

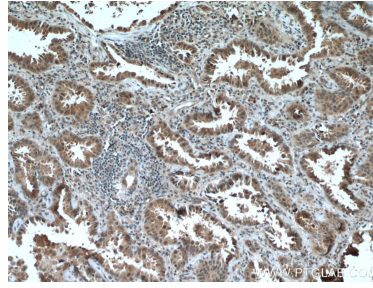
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

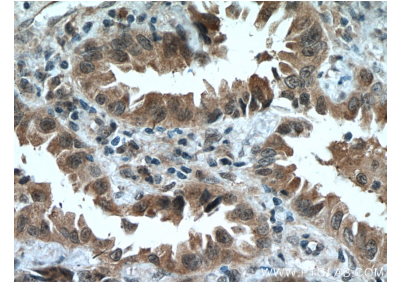
Selected Validation Data



Daudi cells were subjected to SDS PAGE followed by western blot with 19430-1-AP (HUWE1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 19430-1-AP (HUWE1 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 19430-1-AP (HUWE1 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).