

For Research Use Only

HUWE1 Polyclonal antibody

Catalog Number: 19430-1-AP

Featured Product

8 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	Full Name: HECT, UBA and WWE domain containing 1	
Isotype: IgG	Calculated MW: 437 aa, 482 kDa	
Immunogen Catalog Number: AG13763	Observed MW: 482 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IP, WB

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 Berg-mann 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

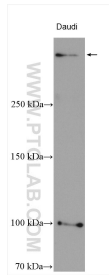
For technical support and original validation data for this product please contact:

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

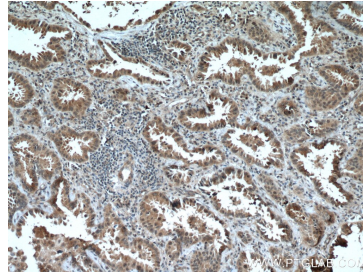
E: proteintech@ptglab.com
W: ptglab.com

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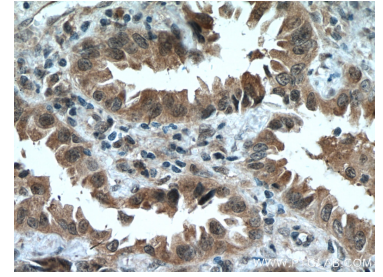
Selected Validation Data



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).