

For Research Use Only

HECW2 Polyclonal antibody

Catalog Number:32026-1-AP



Basic Information

Catalog Number: 32026-1-AP	GenBank Accession Number: XM_017004563.1	Purification Method: Antigen affinity Purification
Size: 600 ug/ml	GeneID (NCBI): 57520	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9P2P5	
Isotype: IgG	Full Name: HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	
Immunogen Catalog Number: AG36316	Calculated MW: 176 kDa , 1572aa	
	Observed MW: 240 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : MDA-MB-468 cells, U-118 MG cells IHC : mouse cerebellum tissue, rat cerebellum tissue IF/ICC : A549 cells,
Species Specificity: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

HECW2, also known as NEDL2 (Nedd4-like E3 ubiquitin-protein ligase 2), is a member of the HECT (Homologous to the E6-AP Carboxyl Terminus) family of E3 ubiquitin ligases. It is crucial in various pathophysiological processes, including cell proliferation, apoptosis, autophagy, immune response, and DNA damage repair (PMID: 39529070). HECW2 is known to stabilize and enhance the transcriptional activity of p73, a member of the p53 family of tumor suppressors, which promotes cell cycle arrest and apoptosis and has an essential role in neurodevelopment (PMID: 27389779). In cancer, HECW2 is a promising target for tumor therapy due to its role in regulating cell cycle progression and angiogenesis (PMID: 39529070). In neurodevelopmental disorders, variants in HECW2 have been reported to cause a disorder characterized by hypotonia, seizures, and impaired language (PMID: 34321324).

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

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

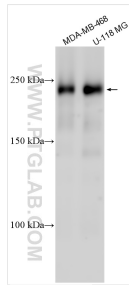
T: 4006900926

E: Proteintech-CN@ptglab.com

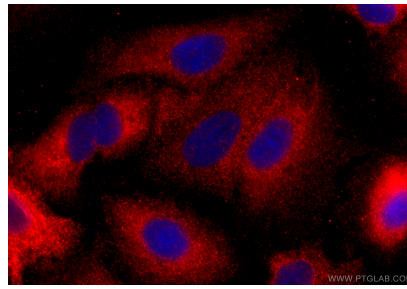
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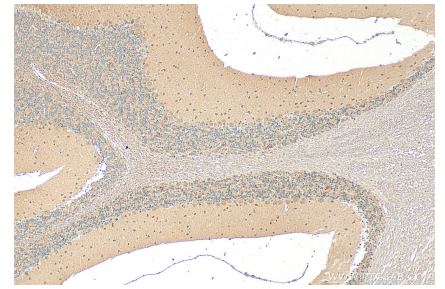
Selected Validation Data



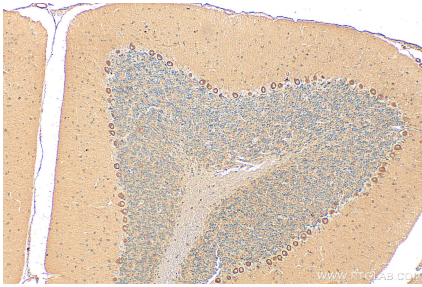
Various lysates were subjected to SDS PAGE followed by western blot with 32026-1-AP (HECW2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using HECW2 antibody (32026-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 32026-1-AP (HECW2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using 32026-1-AP (HECW2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).