

For Research Use Only

hnRNP-E1 Polyclonal antibody

Catalog Number: 14523-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 14523-1-AP	GenBank Accession Number: BC039742	Purification Method: Antigen affinity purification
Size: 550 µg/ml	GeneID (NCBI): 5093	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:400-1:1600 IF 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q15365	
Isotype: IgG	Full Name: poly(rC) binding protein 1	
Immunogen Catalog Number: AG6007	Calculated MW: 37 kDa Observed MW: 37 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : K-562 cells, MCF-7 cells, HeLa cells, HepG2 cells, NIH/3T3 cells IHC : human lung cancer tissue, IF : HepG2 cells, NIH/3T3 cells, A431 cells
Cited Applications: WB, IF, IHC	
Species Specificity: human, mouse	
Cited Species: human, rat, mouse	

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

hnRNP-E1 (heterogeneous nuclear ribonucleoprotein E1) is also named as PCBP1 and Alpha-CP1. Poly(rC)-binding protein 1 (PCBP1 also called hnRNP E1) belongs to a hnRNP family that is composed of hnRNP K/J and the alpha-complex proteins (PCBP1-4 α or CP1-4). Proteins in this family contain three hnRNP K homology (KH) domains for RNA-binding. The human PCBP1 gene encodes the hnRNP E1 protein, and was initially defined as clone sub2.3, with poly(C)-binding activity and observed similarity to hnRNP E2 (PMID: 8152927). hnRNP-E1 is an RNA binding protein that regulates diverse processes including translation and splicing (PMID:29396052). hnRNP E1 regulates splicing of EMT-associated genes including CD44 and PNUMS (PMID: 28825698). This antibody recognizes hnRNP E1/E2.

Notable Publications

Author	Pubmed ID	Journal	Application
Kaiming Peng	35287546	Bioengineered	IHC
Lin Yue	35089637	Pathol Int	WB,IHC
Jiasi Wang	24413564	Nucleic Acids Res	IF

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:

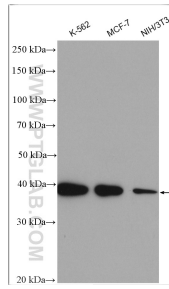
T: 4006900926

E: Proteintech-CN@ptglab.com

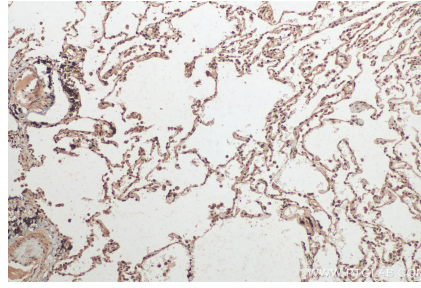
W: ptgcn.com

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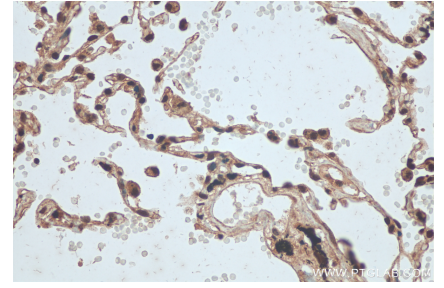
Selected Validation Data



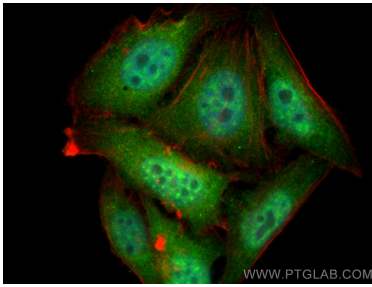
Various lysates were subjected to SDS PAGE followed by western blot with 14523-1-AP (hnRNP-E1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 14523-1-AP (hnRNP-E1 antibody) at dilution of 1:800 (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 14523-1-AP (hnRNP-E1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using hnRNP-E1 antibody (14523-1-AP) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).