

For Research Use Only

HuR/ELAVL1 Monoclonal antibody

Catalog Number: 66549-1-Ig

Featured Product

7 Publications



Basic Information

Catalog Number:

66549-1-Ig

Size:

150ul, Concentration: 2300 ug/ml by 1994
Nanodrop and 1000 ug/ml by Bradford
method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG2249

GenBank Accession Number:

BC003376

GeneID (NCBI):

1994

UNIPROT ID:

Q15717

Full Name:

ELAV (embryonic lethal, abnormal
vision, Drosophila)-like 1 (Hu antigen
R)

Calculated MW:

326 aa, 36 kDa

Observed MW:

34-37 kDa

Purification Method:

Protein A purification

CloneNo.:

1A11H2

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

Human, mouse, rat

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 : HeLa cells, HEK-293 cells, A549 cells, MCF-7 cells,
Jurkat cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells,
Neuro-2a cells, RAW 264.7 cells, NCI-H1299 cells

IHC : human ovary tumor tissue, human breast cancer
tissue

IF/ICC : HepG2 cells,

Background Information

ELAVL1, also named as HUR, belongs to the RRM elav family. It is involved in 3'-UTR ARE-mediated MYC stabilization. ELAVL1 binds avidly to the AU-rich element in FOS and IL3/interleukin-3 mRNAs. In the case of the FOS AU-rich element, ELAVL1 binds to a core element of 27 nucleotides that contain AUUUA, AUUUUA and AUUUUUA motifs.

Notable Publications

Author	Pubmed ID	Journal	Application
Aydan Torun	31487531	Cell Signal	WB
Yuanfei Ren	35051552	Mol Cell Endocrinol	WB,IF
Wei Xu	35466755	J Int Med Res	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

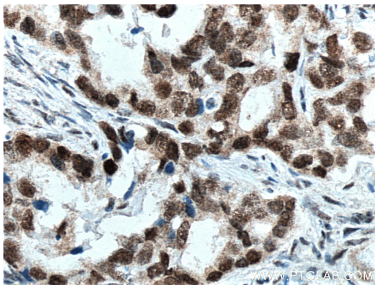
For technical support and original validation data for this product please contact:

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

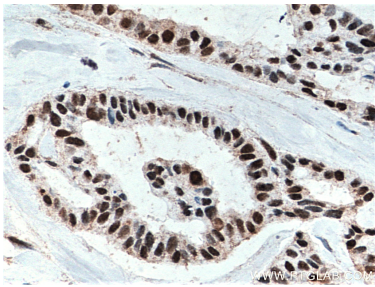
E: proteintech@ptglab.com
W: ptglab.com

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other manufacturer.

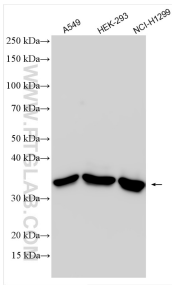
Selected Validation Data



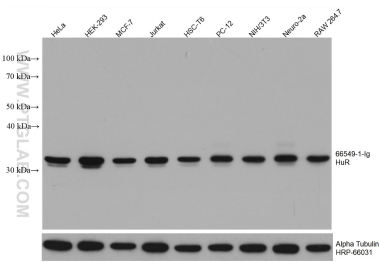
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66549-1-Ig (HuR antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



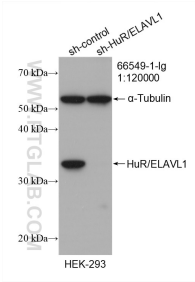
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66549-1-Ig (HuR antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



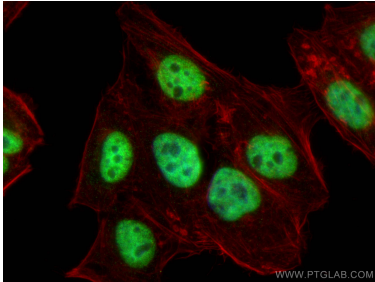
Various lysates were subjected to SDS PAGE followed by western blot with 66549-1-Ig (HuR/ELAVL1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66549-1-Ig (HuR/ELAVL1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



WB result of HuR/ELAVL1 antibody (66549-1-Ig; 1:120000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HuR transfected HEK-293 cells.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HuR/ELAVL1 antibody (66549-1-Ig, Clone: 1A11H2) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).