

For Research Use Only

# ELL2 Recombinant monoclonal antibody

Catalog Number: 84226-4-RR



## Basic Information

|                                                                |                                                              |                                                       |
|----------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>84226-4-RR                           | <b>GenBank Accession Number:</b><br>BC028412                 | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>22936                               | <b>CloneNo.:</b><br>260362A10                         |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>O00472                                 | <b>Recommended Dilutions:</b><br>WB: 1:2000-1:10000   |
| <b>Isotype:</b><br>IgG                                         | <b>Full Name:</b><br>elongation factor, RNA polymerase II, 2 |                                                       |
| <b>Immunogen Catalog Number:</b><br>AG3428                     | <b>Calculated MW:</b><br>640 aa, 72 kDa                      |                                                       |
|                                                                | <b>Observed MW:</b><br>80-90 kDa                             |                                                       |

## Applications

|                                          |                                                                      |
|------------------------------------------|----------------------------------------------------------------------|
| <b>Tested Applications:</b><br>WB, ELISA | <b>Positive Controls:</b><br>WB : SiHa cells, HeLa cells, U266 cells |
| <b>Species Specificity:</b><br>human     |                                                                      |

## Background Information

ELL2 (Elongation Factor for RNA Polymerase II 2) is a key transcriptional elongation factor that regulates RNA polymerase II (Pol II) during mRNA synthesis (PMID: 34265249). It belongs to the ELL gene family, which includes ELL1, ELL2, and ELL3, and plays a crucial role in controlling the elongation phase of transcription (PMID: 9108030). ELL2 is an androgen-responsive gene that is expressed by prostate epithelial cells and is frequently down-regulated in prostate cancer (PMID: 29179998). The predicted molecular weight of the ELL2 protein is 72 kDa, but due to post-translational modifications, its molecular weight is approximately 90 kDa. (PMID: 39582094, PMID: 34948391)

## Storage

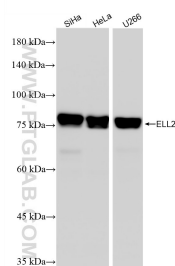
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

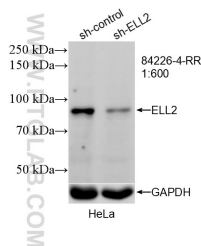
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84226-4-RR (ELL2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of ELL2 antibody (84226-4-RR; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-ELL2 transfected HeLa cells.