

For Research Use Only

ELL2 Recombinant monoclonal antibody

Catalog Number: 84226-4-RR



Basic Information

Catalog Number: 84226-4-RR	GenBank Accession Number: BC028412	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 22936	CloneNo.: 260362A10
Isotype: IgG	UNIPROT ID: O00472	Recommended Dilutions: WB: 1:2000-1:10000
Immunogen Catalog Number: AG3428	Full Name: elongation factor, RNA polymerase II, 2	
	Calculated MW: 640 aa, 72 kDa	
	Observed MW: 80-90 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SiHa cells, HeLa cells, U266 cells
Species Specificity: 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

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

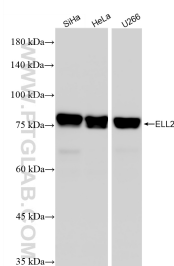
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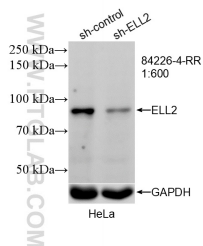
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Selected Validation Data



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.