

For Research Use Only

RPS3 Recombinant antibody, PBS Only

Catalog Number: 84947-4-PBS



Basic Information

Catalog Number: 84947-4-PBS	GenBank Accession Number: BC003137	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6188	CloneNo.: 242504F3
Source: Rabbit	UNIPROT ID: P23396	
Isotype: IgG	Full Name: ribosomal protein S3	
Immunogen Catalog Number: AG7346	Calculated MW: 27 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

40S ribosomal protein S3 (RPS3), also named as SW-cl.26, is a 243 amino acid protein, which contains one KH type-2 domain and belongs to the ribosomal protein S3P family. RPS3 localizes in the cytoplasm. RPS3 is identified in a IGF2BP1-dependent mRNP granule complex, which contains untranslated mRNAs. RPS3 plays a role in repairing various DNA damage acting as a repair UV endonuclease. Nuclear accumulation of RPS3 results in an increase in DNA repair activity to some extent, thereby sustaining neuronal survival.

Storage

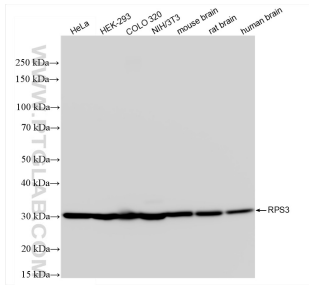
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

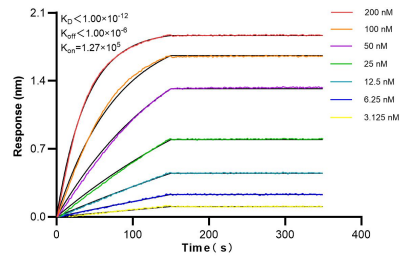
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84947-4-RR (RPS3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84947-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84947-4-RR against Human RPS3 were performed. The affinity constant is below 1 pM.