

For Research Use Only

P16-INK4A Recombinant antibody

Catalog Number: 81373-8-RR



Basic Information

Catalog Number: 81373-8-RR	GenBank Accession Number: BC021998	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1029	CloneNo.: 241438C7
Source: Rabbit	UNIPROT ID: P42771	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: cyclin-dependent kinase inhibitor 2A	
Immunogen Catalog Number: AG1328	Calculated MW: 16 kDa	
	Observed MW: 16 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells, TF-1 cells, SiHa cells
Species Specificity: human	

Background Information

CDKN2A generates several transcript variants which differ in their first exons. At least three alternatively-spliced variants encoding distinct proteins were reported. Two of them named p16-INK4 and p14 are sharing 50% identity. P16 plays an essential role in regulating the cell cycle, and mutations in p16 increase the risk of developing various cancers, including melanoma. Long-term p16(INK4a) expression pushes cells to enter senescence, an irreversible cell-cycle arrest that precludes the growth of would-be cancer cells but also contributes to cellular aging (PMID: 24136988).

Storage

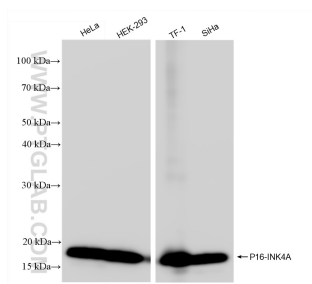
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

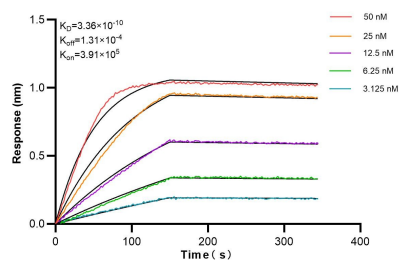
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81373-8-RR (P16-INK4A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 81373-8-RR against Human P16-INK4A were performed. The affinity constant is 0.336 nM.