

For Research Use Only

ZNF746 Monoclonal antibody

Catalog Number: 67463-1-Ig



Basic Information

Catalog Number: 67463-1-Ig	GenBank Accession Number: BC068505	Purification Method: Protein G purification
Size: 1100 µg/ml	GeneID (NCBI): 155061	CloneNo.: 3A12C5
Source: Mouse	UNIPROT ID: Q6NUN9	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG1	Full Name: zinc finger protein 746	
Immunogen Catalog Number: AG21582	Calculated MW: 644 aa, 69 kDa	
	Observed MW: 85-90 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, LNCaP cells
Species Specificity: Human	

Background Information

ZNF746, also named as PARIS, which belongs to the krueppel C2H2-type zinc-finger protein family. ZNF746 mainly localizes to the cytoplasm and probably translocates to the nucleus to repress selected genes. ZNF746 as a transcription repressor that specifically binds to the 5'-TATTTT[T/G]-3' consensus sequence on promoters and repress transcription of PGC-1-alpha (PPARGC1A), thereby playing a role in regulation of neuron death. ZNF746 may act as a downstream effector of PRKN and contribute to neurodegeneration in Parkinson disease cases caused by defects in PRKN: its accumulation due to the absence of PRKN, followed by up-regulation of PPARGC1A, could lead to the selective loss of dopamine neurons in the substantia nigra (PMID: 28122242). The calculated molecular weight of ZNF746 is 69 kDa, but Phosphorylation of ZNF746 is about 80-85 kDa (PMID: 28122242).

Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

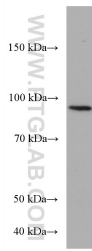
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Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 67463-1-Ig (ZNF746 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.