

For Research Use Only

# ZNF746 Monoclonal antibody

Catalog Number: 67463-1-Ig



## Basic Information

<b>Catalog Number:</b> 67463-1-Ig	<b>GenBank Accession Number:</b> BC068505	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1100 µg/ml by Nanodrop and 667 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 155061	<b>CloneNo.:</b> 3A12C5
<b>Source:</b> Mouse	<b>Full Name:</b> zinc finger protein 746	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 644 aa, 69 kDa	
<b>Immunogen Catalog Number:</b> AG21582	<b>Observed MW:</b> 85-90 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
Human

**Positive Controls:**  
WB : HEK-293 cells, LNCaP cells

## 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.

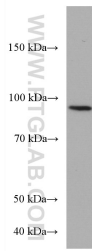
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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.