

For Research Use Only

# MMS19 Monoclonal antibody

Catalog Number: 66049-1-Ig

Featured Product

4 Publications



## Basic Information

### Catalog Number:

66049-1-Ig

### Size:

150ul, Concentration: 1300 ug/ml by Nanodrop and 980 ug/ml by Bradford method using BSA as the standard;

### Source:

Mouse

### Isotype:

IgG2b

### Immunogen Catalog Number:

AG8960

### GenBank Accession Number:

BC006575

### GeneID (NCBI):

64210

### UNIPROT ID:

Q96T76

### Full Name:

MMS19 nucleotide excision repair homolog (S. cerevisiae)

### Calculated MW:

1030 aa, 113 kDa

### Observed MW:

103 kDa, 38 kDa

### Purification Method:

Protein A purification

### CloneNo.:

2H6D8

### Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IF, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** HeLa cells, fetal human brain tissue, HEK-293 cells, HepG2 cells, human brain tissue, human kidney tissue, NIH/3T3 cells, rat brain tissue, RAW 264.7 cells

**IP:** mouse brain tissue,

**IHC:** mouse testis tissue, human cervical cancer tissue

**IF/ICC:** HeLa cells,

## Background Information

MMS19 (MMS19 nucleotide excision repair homolog), also known as MET18, is a 1,030 amino acid nuclear protein containing seven HEAT repeats that belongs to the MET18/MMS19 family. Via its interactions with TFIIH p80 and TFIIH p89 helicases, MMS19 plays a role in nucleotide excision repair (NER) and RNA polymerase II (Pol II) transcription. MMS19 may also function as a transcriptional coactivator of estrogen receptor. While ubiquitously expressed, highest levels of MMS19 have been found in testis. At least five distinct MMS19 protein isoforms exist, which are produced by alternative splicing events.

## Notable Publications

Author	Pubmed ID	Journal	Application
Adarsh K Mayank	31229404	Mol Cell	WB
Oliver Stehling	22678362	Science	WB
Guoyang Zhang	37441804	Aging (Albany NY)	WB,IHC,IF

## 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

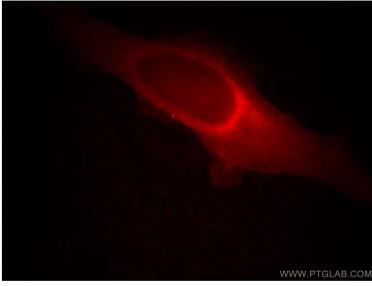
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

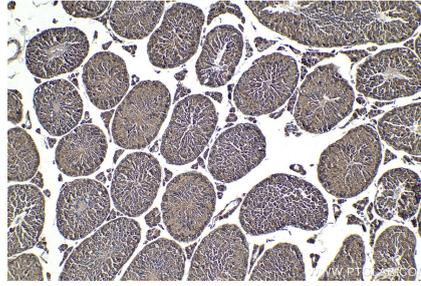
E: proteintech@ptglab.com  
W: ptglab.com

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

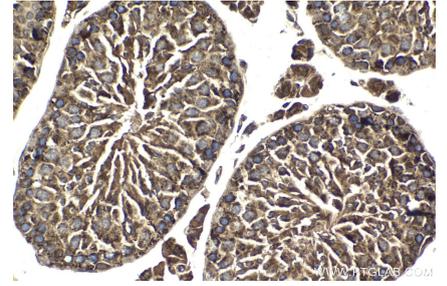
## Selected Validation Data



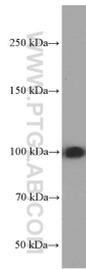
Immunofluorescent analysis of fixed HeLa cells using 66049-1-Ig (MMS19 antibody) at dilution of 1:50 and Rhodamine-Goat anti-Mouse IgG.



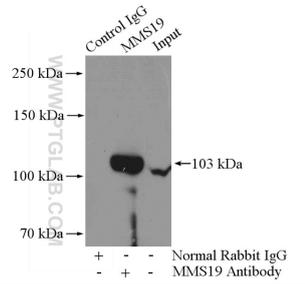
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66049-1-Ig (MMS19 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66049-1-Ig (MMS19 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HeLa cells were subjected to SDS PAGE followed by western blot with 66049-1-Ig (MMS19 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-MMS19 (IP:66049-1-Ig, 4ug; Detection:66049-1-Ig 1:2000) with mouse brain tissue lysate 4000ug.