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[Primary Antibody]

Rabbit Anti-MMS19 antibody

Catalog Number: SL8671R

FOR RESEARCH USE ONLY

[DATASHEET]

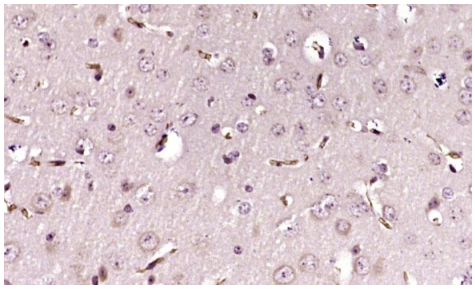
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	MMS19
Immunogen:	KLH conjugated synthetic peptide derived from human MMS19: 851-950/1030
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Dog,Pig,Horse,Rabbit)
Predicted MW.:	113kDa
Subcellular Location:	The nucleus
Background:	MMS19 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. The gene encoding MMS19 maps to human chromosome 10q24.1, and is associated with the risk of pancreatic cancer. **Function:** MMS19 like protein may play a role in nucleotide excision repair (NER) and RNA polymerase II (POL II) transcription by interacting with ERCC2/XPD and ERCC3/XPB helicases, both subunits of NER-transcription

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

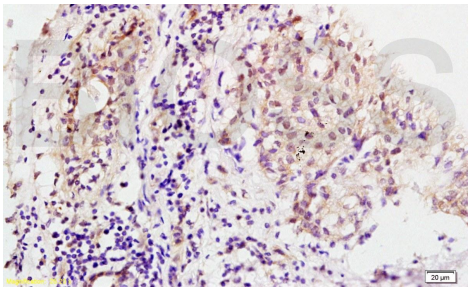
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	factor TFIIH. It may also function as a transcriptional coactivator of estrogen receptor (ER) and may be involved in regulation of ER activity by bridging TFIIH with ER or may facilitate TFIIH-mediated phosphorylation of ER in specific promoters and cell types. It is ubiquitously expressed with higher expression in testis. **Subunit:** Component of the MMXD complex, which includes CIAO1, ERCC2, FAM96B, MMS19 and SLC25A5. Interacts with FAM96B; the interaction is direct. Interacts with ERCC2/XPD; the interaction is direct. Interacts with ERCC3/XPB and NCOA3/RAC3. **Subcellular Location:** Nuclear. **Tissue Specificity:** Ubiquitously expressed with higher expression in testis. **Similarity:** Belongs to the MET18/MMS19 family. Contains 7 HEAT repeats. **SWISS:** Q96T76 **Gene ID:** 64210

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MMS19) Polyclonal Antibody, Unconjugated (SL8671R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: human breast carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min;
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-MMS19 Polyclonal Antibody, Unconjugated(SL8671R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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