

Rabbit MMS19 Polyclonal Antibody | anti-MMS19 antibody

MMS19 Antibody

CATALOG # AAA323036	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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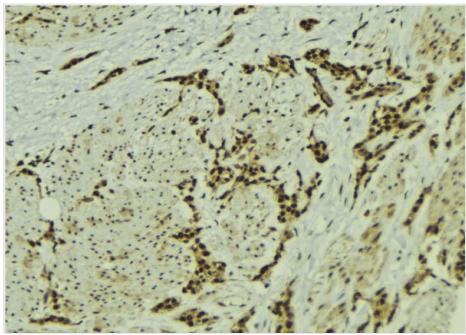
PRODUCT SYNONYMS

MMS19; Polyclonal Antibody; MMS19 Antibody; hMMS19; homolog of yeast MMS19; MET18; MET18 homolog; MET18MMS19 nucleotide excision repair homolog (S. cerevisiae); mms19; MMS19 nucleotide excision repair protein homolog; MMS19 nucleotide excision repair; S. cerevisiae; homolog of; MMS19-like (MET18 homolog; S. cerevisiae); MMS19-like protein; MMS19_HUMAN; MMS19L; anti-MMS19 antibody

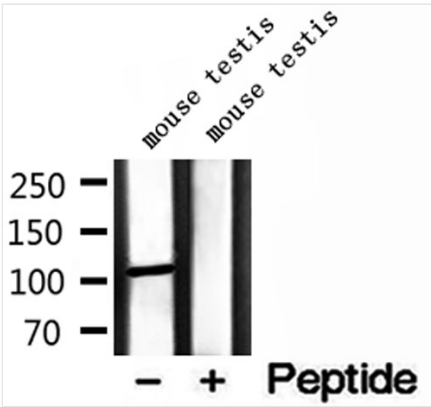
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MMS19 antibody detects endogenous levels of MMS19.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	987
Applicable Applications for anti-MMS19 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MMS19.
Subcellular Location	Nucleus. Cytoplasm > Cytoskeleton > Spindle.
Tissue Specificity	Ubiquitously expressed with higher expression in testis.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (91%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323036 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of mouse testis tissue, using MMS19 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MMS19 antibody	Function: Key component of the cytosolic iron-sulfur protein assembly (CIA) complex, a multiprotein complex that mediates the incorporation of iron-sulfur cluster into apoproteins specifically involved in DNA metabolism and genomic integrity. In the CIA complex, MMS19 acts as an adapter between early-acting CIA components and a subset of cellular target iron-sulfur proteins such as ERCC2/XPD, FANCDJ and RTEL1, thereby playing a key role in nucleotide excision repair (NER), homologous recombination-mediated double-strand break DNA repair, DNA replication and RNA polymerase II (POL II) transcription (PubMed:22678362, PubMed:22678361, PubMed:29225034). As part of the mitotic spindle-associated MMXD complex, plays a role in chromosome segregation, probably by facilitating iron-sulfur cluster assembly into ERCC2/XPD (PubMed:20797633). Indirectly acts as a transcriptional coactivator of estrogen receptor (ER), via its role in iron-sulfur insertion into some component of the TFIIF-machinery (PubMed:11279242). Subunit Structure: Component of the CIA complex. Component of the MMXD complex, composed of 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. Interacts with RTEL1; the interaction mediates the association of RTEL1 with the CIA complex. Post-translational Modifications: Ubiquitinated; undergoes 'Lys-48'-linked polyubiquitination by MAGEF1-NSMCE1 ubiquitin ligase complex leading to proteasomal degradation. Similarity: Belongs to the MET18/MMS19 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	574957085
NCBI GeneID	64210
NCBI Accession #	NP_001276332.1
NCBI GenBank Nucleotide #	NM_001289403.1
UniProt Accession #	Q96T76; Q17RZ8; Q5T455; Q66K82; Q7L4W8; Q969Z1; B0QZ75; B3KPE5; B4DQX2; B4E2I3; D3DR55; F8W9Y2
Molecular Weight	Observed: 103-113 kDa Predicted: 114 kDa
NCBI Official Full Name	MMS19 nucleotide excision repair protein homolog isoform 2
NCBI Official Synonym Full Names	MMS19 homolog, cytosolic iron-sulfur assembly component
NCBI Official Symbol	MMS19
NCBI Official Synonym Symbols	CIAO4; MET18; MMS19L; hMMS19
NCBI Protein Information	MMS19 nucleotide excision repair protein homolog
UniProt Protein Name	MMS19 nucleotide excision repair protein homolog

UniProt Gene Name	MMS19
UniProt Synonym Gene Names	hMMS19

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mms19-antibody-immunohistochemistry-western-blot-elisa/323036>