

Rabbit anti-Human, Mouse MMS19 Polyclonal Antibody | anti-MMS19 antibody

Anti-MMS19 Antibody Picoband

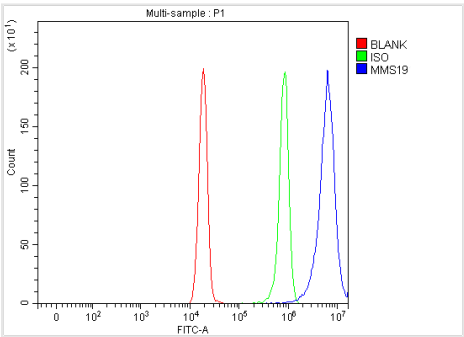
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19865	Rabbit	Human, Mouse	ELISA, Immunofluorescence, Immunohistochemistry, Immunocytochemistry, Western Blot, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

MMS19; Polyclonal Antibody; Anti-MMS19 Antibody Picoband; AP-2 complex subunit mu; ELAV like RNA binding protein 2; ELAV-like protein 2; ELAV-like neuronal protein 1; Hu-antigen B; HuB; Nervous system-specific RNA-binding protein Hel-N1; ELAVL2; HUB; anti-MMS19 antibody

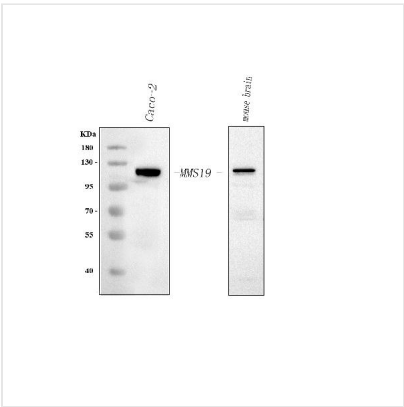
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Brain; neural-specific.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-MMS19 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot), FCM/FACS (Flow Cytometry)
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse IHC: 2-5ug/ml, Human ICC/IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human MMS19 recombinant protein (Position: E239-R998).
Subcellular Localization	Cytoplasm, Nucleus, Cytoplasm
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Binds RNA. Seems to recognize a GAAA motif. Can bind to its own 3'-UTR, the FOS 3'-UTR and the ID 3'-UTR.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM (Flow Cytometry)

Figure 7. Flow Cytometry analysis of Hela cells using anti-MMS19 antibody (AAA19865). Overlay histogram showing Hela cells stained with AAA19865 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MMS19 Antibody (AAA19865, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 5. IF analysis of MMS19 using anti-MMS19 antibody (AAA19865). MMS19 was detected in an immunocytochemical section of HELA cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-MMS19 Antibody (AAA19865) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-MMS19 Antibody (AAA19865) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-MMS19 Antibody (AAA19865) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Lane 2: mouse brain tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MMS19 antigen affinity purified polyclonal antibody (#AAA19865) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MMS19 at approximately 113 kDa. The expected band size for MMS19 is at 113 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MMS19 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-MMS19 antibody	Primary Antibodies; DNA/RNA; Epigenetics and Nuclear Signaling; RNA Processing
References	1. Gari, K., Leon Ortiz, A. M., Borel, V., Flynn, H., Skehel, J. M., Boulton, S. J. MMS19 links cytoplasmic iron-sulfur cluster assembly to DNA metabolism. Science 337: 243-245, 2012. 2. Hatfield, M. D., Reis, A. M. C., Obeso, D., Cook, J. R., Thompson, D. M., Rao, M., Friedberg, E. C., Queimado, L. Identification of MMS19 domains with distinct functions in NER and transcription. DNA Repair 5: 914-924, 2006. 3. Ito, S., Tan, L. J., Andoh, D., Narita, T., Seki, M., Hirano, Y., Narita, K., Kuraoka, I., Hiraoka, Y., Tanaka, K. MMXD, a TFIIH-independent XPD-MMS19 protein complex involved in chromosome segregation. Molec. Cell 39: 632-640, 2010.

NCBI AND UNIPROT INFORMATION

NCBI GI #	150421597
NCBI GeneID	64210
UniProt Accession #	Q96T76; Q17RZ8; Q5T455; Q66K82; Q7L4W8; Q969Z1; B0QZ75; B3KPE5; B4DQX2; B4E2I3; D3DR55; F8W9Y2

Molecular Weight	1030
NCBI Official Full Name	MMS19 nucleotide excision repair protein homolog
NCBI Official Synonym Full Names	MMS19 nucleotide excision repair homolog (S. cerevisiae)
NCBI Official Symbol	MMS19
NCBI Official Synonym Symbols	MET18; MMS19L; hMMS19
NCBI Protein Information	MMS19 nucleotide excision repair protein homolog; MET18 homolog; MMS19-like protein; homolog of yeast MMS19; MMS19-like (MET18 homolog, S. cerevisiae)
UniProt Protein Name	MMS19 nucleotide excision repair protein homolog
UniProt Gene Name	MMS19
UniProt Synonym Gene Names	MMS19L; hMMS19
UniProt Entry Name	MMS19_HUMAN

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://stage.aaabiotech.com/polyclonal/mms19-antibody-immunofluorescence-immunohistochemistry-immunocytochemistry-western-blot-flow-cytometry-elisa/19865>