

MMS19 (S-14): sc-135501

BACKGROUND

MMS19 (MMS19 nucleotide excision repair homolog), also known as MET18, is a 1,030 amino acid nuclear protein containing 7 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.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: MMS19 (human) mapping to 10q24.1.

SOURCE

MMS19 (S-14) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of MMS19 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-135501 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

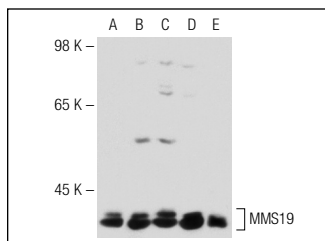
MMS19 (S-14) is recommended for detection of MMS19 isoforms 1, 2, 4 and 5 of human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with MMS19 isoform 3.

Suitable for use as control antibody for MMS19 siRNA (h): sc-90393, MMS19 shRNA Plasmid (h): sc-90393-SH and MMS19 shRNA (h) Lentiviral Particles: sc-90393-V.

Molecular Weight of MMS19: 113 kDa.

Positive Controls: COLO 320DM cell lysate: sc-2226, HeLa nuclear extract: sc-2120 or Jurkat nuclear extract: sc-2132.

DATA



MMS19 (S-14): sc-135501. Western blot analysis of MMS19 expression in HeLa (A), Jurkat (B), K-562 (C) and Ramos (D) nuclear extracts and COLO 320DM (E) whole cell lysate.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.


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Try **MMS19 (G-12): sc-390028** or **MMS19 (B-9): sc-390658**, our highly recommended monoclonal alternatives to MMS19 (S-14).