10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MCM8 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11020

Specification

MCM8 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9UJA3
Other Accession	NM_032485, NP_115874
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**94kDa KDa**

MCM8 antibody - N-terminal region - Additional Information

Gene ID 84515

Alias Symbol	**C20orf154, MGC119522, MGC119523, MGC12866, MGC4816, REC, dJ967N21.5**

Other Names
DNA helicase MCM8, 3.6.4.12, Minichromosome maintenance 8, MCM8, C20orf154

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-MCM8 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
MCM8 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

MCM8 antibody - N-terminal region - Protein Information

Name MCM8

Synonyms C20orf154

Function
Component of the MCM8-MCM9 complex, a complex involved in the repair of double-stranded DNA breaks (DBSs) and DNA interstrand cross- links (ICLs) by homologous recombination (HR) (PubMed:23401855). Required for DNA resection by the MRE11-RAD50-NBN/NBS1 (MRN) complex by recruiting the MRN

complex to the repair site and by promoting the complex nuclease activity (PubMed:26215093). Probably by regulating the localization of the MNR complex, indirectly regulates the recruitment of downstream effector RAD51 to DNA damage sites including DBSs and ICLs (PubMed:23401855). The MCM8-MCM9 complex is dispensable for DNA replication and S phase progression (PubMed:23401855). However, may play a non-essential for DNA replication: may be involved in the activation of the prereplicative complex (pre-RC) during G(1) phase by recruiting CDC6 to the origin recognition complex (ORC) (PubMed:15684404). Probably by regulating HR, plays a key role during gametogenesis (By similarity). Stabilizes MCM9 protein (PubMed:23401855, PubMed:26215093).

Cellular Location
Nucleus. Chromosome. Note=Localizes to nuclear foci (PubMed:26215093). Localizes to double-stranded DNA breaks (PubMed:23401855). Binds chromatin throughout the cell cycle (PubMed:15684404).

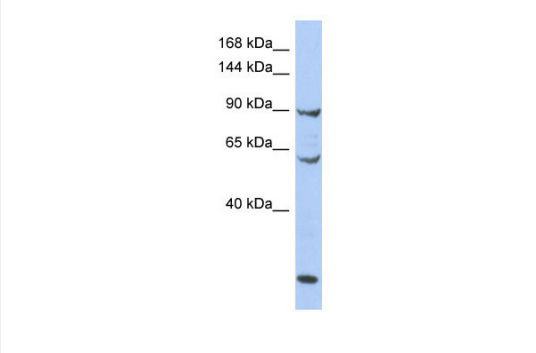
Tissue Location
Highest levels in placenta, lung and pancreas. Low levels in skeletal muscle and kidney. Expressed in various tumors with highest levels in colon and lung cancers

MCM8 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MCM8 antibody - N-terminal region - Images



WB Suggested Anti-MCM8 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: OVCAR-3 cell lysate

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