

**MCM8 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57013****Specification**

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**MCM8 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">O9UJA3</a>
Reactivity	Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	93697

**MCM8 Polyclonal Antibody - Additional Information****Gene ID** 84515**Other Names**

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

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**MCM8 Polyclonal Antibody - 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:<a href="http://www.uniprot.org/citations/23401855" target="\_blank">23401855</a>). 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:<a href="http://www.uniprot.org/citations/26215093" target="\_blank">26215093</a>). 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:<a href="http://www.uniprot.org/citations/23401855" target="\_blank">23401855</a>). The MCM8-MCM9 complex is dispensable for DNA replication and S phase progression (PubMed:<a href="http://www.uniprot.org/citations/23401855" target="\_blank">23401855</a>). 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:<a href="http://www.uniprot.org/citations/15684404" target="\_blank">15684404</a>).

target="\_blank">15684404</a>). Probably by regulating HR, plays a key role during gametogenesis (By similarity). Stabilizes MCM9 protein (PubMed:<a href="http://www.uniprot.org/citations/23401855" target="\_blank">23401855</a>, PubMed:<a href="http://www.uniprot.org/citations/26215093" target="\_blank">26215093</a>).

#### **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 Polyclonal Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **MCM8 Polyclonal Antibody - Images**