

MMS22L/C6orf167 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56796**Specification****MMS22L/C6orf167 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q6ZRQ5
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	142321

MMS22L/C6orf167 Polyclonal Antibody - Additional Information**Gene ID** 253714**Other Names**

Protein MMS22-like, Methyl methanesulfonate-sensitivity protein 22-like, MMS22L, C6orf167

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.

MMS22L/C6orf167 Polyclonal Antibody - Protein Information**Name** MMS22**Function**

Component of the MMS22L-TONSL complex, a complex that promotes homologous recombination-mediated repair of double-strand breaks (DSBs) at stalled or collapsed replication forks (PubMed: [21055983](http://www.uniprot.org/citations/21055983) target="_blank">21055983, PubMed: [21055984](http://www.uniprot.org/citations/21055984) target="_blank">21055984, PubMed: [21055985](http://www.uniprot.org/citations/21055985) target="_blank">21055985, PubMed: [21113133](http://www.uniprot.org/citations/21113133) target="_blank">21113133, PubMed: [26527279](http://www.uniprot.org/citations/26527279) target="_blank">26527279, PubMed: [27338793](http://www.uniprot.org/citations/27338793) target="_blank">27338793, PubMed: [29478807](http://www.uniprot.org/citations/29478807) target="_blank">29478807). The MMS22L-TONSL complex is required to maintain genome integrity during DNA replication (PubMed: [21055983](http://www.uniprot.org/citations/21055983) target="_blank">21055983, PubMed: [21055984](http://www.uniprot.org/citations/21055984) target="_blank">21055984, PubMed: [21055985](http://www.uniprot.org/citations/21055985) target="_blank">21055985, PubMed: [27797818](http://www.uniprot.org/citations/27797818) target="_blank">27797818). It mediates the assembly of RAD51 filaments on single-stranded DNA (ssDNA); the MMS22L-TONSL complex is recruited to DSBs following histone

replacement by histone chaperones and eviction of the replication protein A complex (RPA/RP-A) from DSBs (PubMed:21055983, PubMed:21055984, PubMed:21055985, PubMed:29478807). Following recruitment to DSBs, the TONSL-MMS22L complex promotes recruitment of RAD51 filaments and subsequent homologous recombination (PubMed:27797818, PubMed:29478807). Within the complex, MMS22L acts by binding ssDNA (PubMed:27797818).

Cellular Location

Nucleus. Chromosome. Note=Localizes to DNA damage sites, accumulates at stressed replication forks (PubMed:21055983, PubMed:21055984, PubMed:27797818). Recruited to stalled or collapsed replication forks; directly binds replication protein A complex (RPA/RP-A)-coated single-stranded DNA (ssDNA) (PubMed:27797818)

MMS22L/C6orf167 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](#)

MMS22L/C6orf167 Polyclonal Antibody - Images