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C6orf167 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP10009a

Specification

C6orf167 Antibody (N-term) Blocking peptide - Product Information

Primary Accession	Q6ZRQ5
Other Accession	NP_940870.2

C6orf167 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 253714

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

C6orf167 Antibody (N-term) Blocking peptide - 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, PubMed:21055984, PubMed:21055985, PubMed:21113133, PubMed:26527279, PubMed:27338793, PubMed:29478807). The MMS22L-TONSL complex is required to maintain genome integrity during DNA replication (PubMed:21055983, PubMed:21055984, PubMed:21055985, PubMed: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)

C6orf167 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

C6orf167 Antibody (N-term) Blocking peptide - Images