

OBFC2B Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11591b**Specification**

OBFC2B Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [O9BQ15](#)**OBFC2B Antibody (C-term) Blocking peptide - Additional Information**

Gene ID 79035

Other Names

SOSS complex subunit B1, Nucleic acid-binding protein 2, Oligonucleotide/oligosaccharide-binding fold-containing protein 2B, Sensor of single-strand DNA complex subunit B1, Sensor of ssDNA subunit B1, SOSS-B1, Single-stranded DNA-binding protein 1, hSSB1, NABP2, OBFC2B, SSB1

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.

OBFC2B Antibody (C-term) Blocking peptide - Protein Information

Name NABP2

Synonyms OBFC2B, SSB1

Function

Component of the SOSS complex, a multiprotein complex that functions downstream of the MRN complex to promote DNA repair and G2/M checkpoint (PubMed:25249620). In the SOSS complex, acts as a sensor of single-stranded DNA that binds to single-stranded DNA, in particular to polypyrimidines. The SOSS complex associates with DNA lesions and influences diverse endpoints in the cellular DNA damage response including cell-cycle checkpoint activation, recombinational repair and maintenance of genomic stability. Required for efficient homologous recombination-dependent repair of double-strand breaks (DSBs) and ATM- dependent signaling pathways.

Cellular Location

Nucleus Note=Localizes to nuclear foci following DNA damage. Foci formation is not cell-cycle dependent. Partial colocalization with RAD51 after ionizing radiation treatment

OBFC2B Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

OBFC2B Antibody (C-term) Blocking peptide - Images**OBFC2B Antibody (C-term) Blocking peptide - Background**

Single-stranded DNA (ssDNA)-binding proteins, such as OBFC2B, are ubiquitous and essential for a variety of DNA metabolic processes, including replication, recombination, and detection and repair of damage (Richard et al., 2008 [PubMed 18449195]). [supplied by OMIM].

OBFC2B Antibody (C-term) Blocking peptide - References

Skaar, J.R., et al. J. Cell Biol. 187(1):25-32(2009) Li, Y., et al. J. Biol. Chem. 284(35):23525-23531(2009) Huang, J., et al. Mol. Cell 35(3):384-393(2009) Richard, D.J., et al. Nature 453(7195):677-681(2008) Lamesch, P., et al. Genomics 89(3):307-315(2007)