

OBFC2A Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10286c**Specification**

OBFC2A Antibody (Center) Blocking peptide - Product Information

Primary Accession [O96AH0](#)
Other Accession [NP_001026886.1](#)

OBFC2A Antibody (Center) Blocking peptide - Additional Information

Gene ID 64859

Other Names

SOSS complex subunit B2, Nucleic acid-binding protein 1, Oligonucleotide/oligosaccharide-binding fold-containing protein 2A, Sensor of single-strand DNA complex subunit B2, Sensor of ssDNA subunit B2, SOSS-B2, Single-stranded DNA-binding protein 2, hSSB2, NABP1, OBFC2A, SSB2

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.

OBFC2A Antibody (Center) Blocking peptide - Protein Information

Name NABP1

Synonyms OBFC2A, SSB2

Function

Component of the SOSS complex, a multiprotein complex that functions downstream of the MRN complex to promote DNA repair and G2/M checkpoint. 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

OBFC2A Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

OBFC2A Antibody (Center) Blocking peptide - Images**OBFC2A Antibody (Center) Blocking peptide - Background**

Single-stranded DNA (ssDNA)-binding proteins, such as OBFC2A, 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].

OBFC2A Antibody (Center) Blocking peptide - References

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)