

OBFC2B Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11591b**Specification**

OBFC2B Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9BQ15
Other Accession	Q3SWT1 , Q8R2Y9 , A6QLK2 , NP_076973.1
Reactivity	Mouse
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	22338
Antigen Region	183-211

OBFC2B Antibody (C-term) - 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

Target/Specificity

This OBFC2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 183-211 amino acids from the C-terminal region of human OBFC2B.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

OBFC2B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OBFC2B Antibody (C-term) - 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.

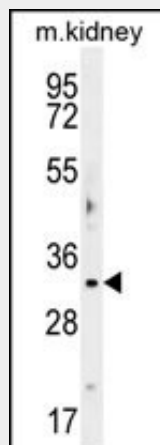
Cellular Location

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) - 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](#)

OBFC2B Antibody (C-term) - Images

OBFC2B Antibody (C-term) (Cat. #AP11591b) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the OBFC2B antibody detected the OBFC2B protein (arrow).

OBFC2B Antibody (C-term) - 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) - 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)