

For Research Use Only

# OBFC2A Polyclonal antibody

Catalog Number: 16719-1-AP

Featured Product

7 Publications



## Basic Information

### Catalog Number:

16719-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 240 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG10158

### GenBank Accession Number:

BC107723

### GeneID (NCBI):

64859

### UNIPROT ID:

Q96AHO

### Full Name:

oligonucleotide/oligosaccharide-binding fold containing 2A

### Calculated MW:

124 aa, 14 kDa

### Observed MW:

22 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

WB, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB: COLO 320 cells,

## Background Information

Single-stranded DNA (ssDNA)-binding proteins (SSBs) are ubiquitous and essential for a variety of DNA metabolic processes, including recombination, replication, and detection and repair of damage. SSBs have multiple roles in binding and sequestering ssDNA, detecting DNA damage, stimulating nucleases, helicases and strand-exchange proteins, activating transcription and mediating protein-protein interactions [PMID:18449195] Human single-stranded DNA-binding protein 1 (hSSB1), encoded by OBFC2B, is characterized as an essential factor for the initiation of DNA damage checkpoints and the maintenance of genomic stability [PMID:22940690].

## Notable Publications

Author	Pubmed ID	Journal	Application
Didier Boucher	34642383	Sci Rep	IP
Qianxue Wu	34868954	Front Oncol	WB
Matthias Pfeifer	31085591	J Immunol	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

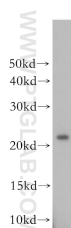
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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## Selected Validation Data



COLO 320 cells were subjected to SDS PAGE followed by western blot with 16719-1-AP (OBF2A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.