

For Research Use Only

OBFC2A Polyclonal antibody

Catalog Number: 16719-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number: 16719-1-AP	GenBank Accession Number: BC107723	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 240 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 64859	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: oligonucleotide/oligosaccharide-binding fold containing 2A	
Isotype: IgG	Calculated MW: 124 aa, 14 kDa	
Immunogen Catalog Number: AG10158	Observed MW: 22 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : COLO 320 cells,
Cited Applications: IP, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

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

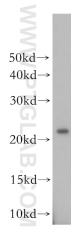
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.