

For Research Use Only

# SBDS Polyclonal antibody

Catalog Number: 17618-1-AP **3 Publications**



## Basic Information

|  |  |  |
|--|--|--|
| <b>Catalog Number:</b><br>17618-1-AP   | <b>GenBank Accession Number:</b><br>BC065700           | <b>Purification Method:</b><br>Antigen affinity purification                                     |
| <b>Size:</b><br>150ul , Concentration: 133 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>51119                         | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000<br>IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB |
| <b>Source:</b><br>Rabbit   | <b>Full Name:</b><br>Shwachman-Bodian-Diamond syndrome | <b>IHC 1:50-1:500</b>  |
| <b>Isotype:</b><br>IgG   | <b>Calculated MW:</b><br>250 aa, 29 kDa                |  |
| <b>Immunogen Catalog Number:</b><br>AG11814  | <b>Observed MW:</b><br>29 kDa                          |  |

## Applications

|   |  |
|---|--|
| <b>Tested Applications:</b><br>IHC, IP, WB, ELISA | <b>Positive Controls:</b><br>WB : Caco-2 cells, HL-60 cells, SH-SY5Y cells, HEK-293T cells |
| <b>Cited Applications:</b><br>IF, IHC, WB         | <b>IP :</b> HL-60 cells,   |
| <b>Species Specificity:</b><br>human, mouse, rat  | <b>IHC :</b> human pancreas cancer tissue,   |
| <b>Cited Species:</b><br>human, rat               |  |

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Shwachman-Bodian-Diamond syndrome (SBDS) is a member of a highly conserved protein family that exists from archaea to vertebrates and plants. The protein may function in RNA metabolism. Mutations within its gene are associated with Shwachman-Bodian-Diamond syndrome. This gene encodes a member of a highly conserved protein family that exists from archaea to vertebrates and plants. The encoded protein may function in RNA metabolism. Mutations within this gene are associated with Shwachman-Bodian-Diamond syndrome. An alternative transcript has been described, but its biological nature has not been determined. This gene has a closely linked pseudogene that is distally located. This antibody is a rabbit polyclonal antibody raised against a full-length human SBDS protein, recognizes specifically the 29kd SBDS protein.

## Notable Publications

| Author  | Pubmed ID | Journal         | Application |
|---------|-----------|-----------------|-------------|
| Pan Luo | 31923455  | Brain Res Bull  | WB          |
| D Tong  | 27991916  | Oncogenesis     | WB          |
| Bo Wang | 36777835  | Am J Transl Res | IHC,IF      |

## Storage

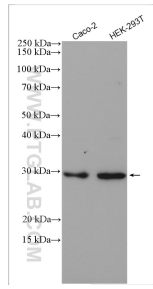
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

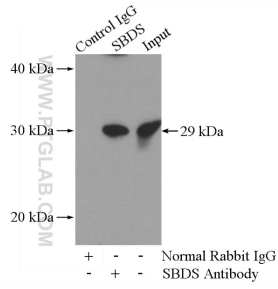
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

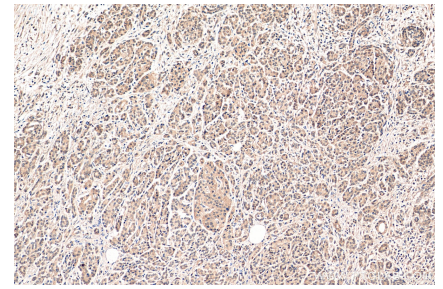
## Selected Validation Data



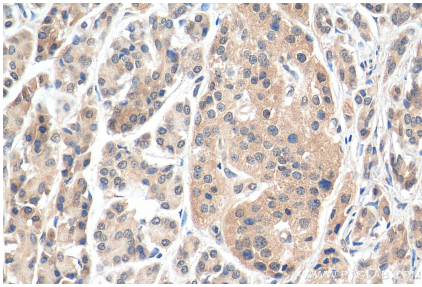
Various lysates were subjected to SDS PAGE followed by western blot with 17618-1-AP (SBDS antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-SBDS (IP:17618-1-AP, 4ug; Detection:17618-1-AP 1:300) with HL-60 cells lysate 3040ug.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 17618-1-AP (SBDS antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 17618-1-AP (SBDS antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).