

For Research Use Only

# SBDS Polyclonal antibody

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



## Basic Information

**Catalog Number:**

17618-1-AP

**Size:**

220 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG11814

**GenBank Accession Number:**

BC065700

**GeneID (NCBI):**

51119

**UNIPROT ID:**

Q9Y3A5

**Full Name:**

Shwachman-Bodian-Diamond syndrome

**Calculated MW:**

250 aa, 29 kDa

**Observed MW:**

29 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

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**

**Positive Controls:**

**WB :** Caco-2 cells, HL-60 cells, SH-SY5Y cells, HEK-293T cells

**IP :** HL-60 cells,

**IHC :** human pancreas cancer tissue,

## 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

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

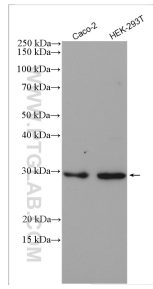
T: 4006900926

E: Proteintech-CN@ptglab.com

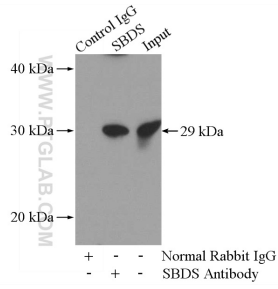
W: ptgcn.com

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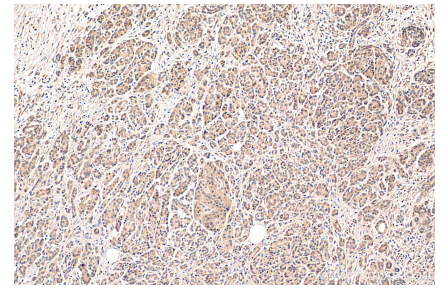
## Selected Validation Data



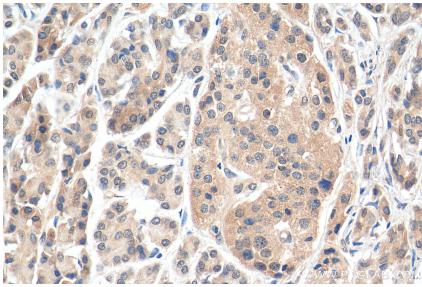
Various lysates were subjected to SDS PAGE followed by western blot with 17618-1-AP (SBDS antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).