For Research Use Only

SBDS Polyclonal antibody

Catalog Number:17618-1-AP 3 Publications

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Basic Information

Catalog Number:
17618-1-AP

Size:
150ul , Concentration: 133 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500

Applications

Tested Applications:
WB, IP, IHC, 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

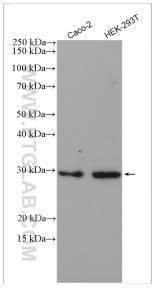
Storage

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

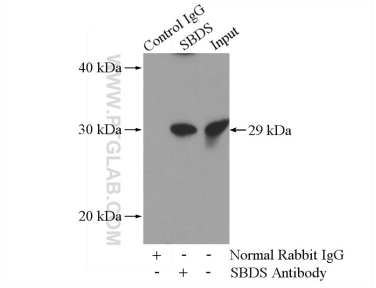
*** 20ul sizes contain 0.1% BSA

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

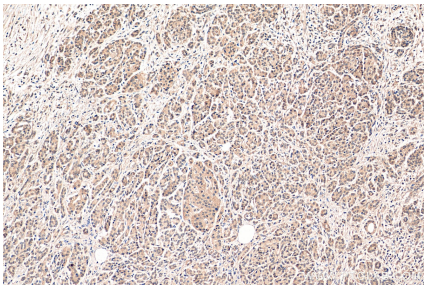
Selected Validation Data



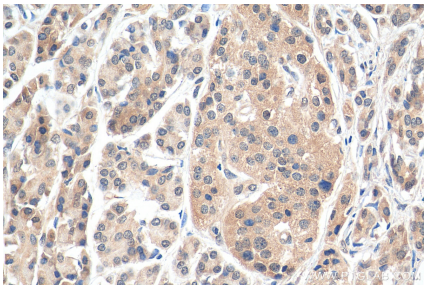
Various lysates were subjected to SDS PAGE followed by western blot with 17618-1-AP (SBDS antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).