

For Research Use Only

# STBD1 Polyclonal antibody

Catalog Number: 11842-1-AP

Featured Product

13 Publications



## Basic Information

**Catalog Number:**

11842-1-AP

**Size:**

450 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2481

**GenBank Accession Number:**

BC022301

**GeneID (NCBI):**

8987

**UNIPROT ID:**

O95210

**Full Name:**

starch binding domain 1

**Calculated MW:**

41 kDa

**Observed MW:**

35-43 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, IP, IF, IHC

**Species Specificity:**

human, mouse

**Cited Species:**

human, chicken, rat, mouse

**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 : mouse skeletal muscle tissue, HeLa cells, A549 cells

IP : A549 cells,

IHC : human colon cancer tissue,

## Background Information

STBD1 may have the capability to bind to carbohydrates. It functions as a glycogen receptor that tethers glycogen to autophagic membranes for delivery and breakdown in lysosomes. STBD1 appears molecular mass of 35-38 kDa band in mouse/rat tissues and 38-43 kDa in human tissue.

## Notable Publications

Author	Pubmed ID	Journal	Application
Andria A. Lytridou	34005315	J Cell Sci	WB,IF
Fan Qiu	34522006	Acta Pharmacol Sin	WB
Andria A Lytridou	32958708	J Cell Sci	WB,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:

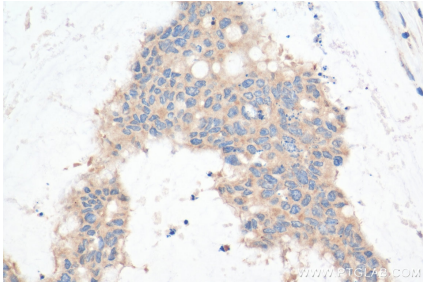
T: 4006900926

E: Proteintech-CN@ptglab.com

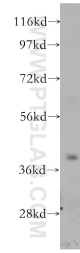
W: ptgcn.com

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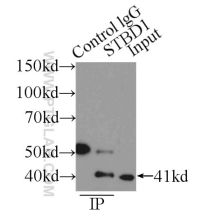
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11842-1-AP (STBD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 11842-1-AP (STBD1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-STBD1 (IP:11842-1-AP, 4ug; Detection:11842-1-AP 1:1000) with A549 cells lysate 1600ug.