

# SPTBN1 Polyclonal antibody

Catalog Number: 25681-1-AP

## Basic Information

**Catalog Number:**

25681-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG22459

**GenBank Accession Number:**

BC137282

**GeneID (NCBI):**

6711

**UNIPROT ID:**

Q01082

**Full Name:**

spectrin, beta, non-erythrocytic 1

**Calculated MW:**

2364 aa, 275 kDa

**Observed MW:**

275 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IF/ICC 1:20-1:200

## Applications

**Tested Applications:**

IF/ICC, WB, ELISA

**Species Specificity:**

human, mouse

**Positive Controls:**

**WB :** Caco-2 cells, mouse heart tissue, HEK-293 cells, SH-SY5Y cells

**IF/ICC :** HEK-293 cells,

## Background Information

SPTBN1 is the non-erythrocytic form of  $\beta$ -spectrin or  $\beta$ -fodrin. Spectrins are members of the superfamily of F-actin cross linking proteins that are important as scaffolding proteins for protein sorting, cell adhesion, and migration. Reduced expression of SPTBN1 has been found to correlate with shorter survival of patients with hepatocellular cancer, pancreatic cancer and other malignancies of the gastrointestinal tract, suggesting tumor suppression ability of this protein.

## Storage

**Storage:**

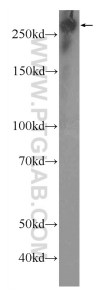
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

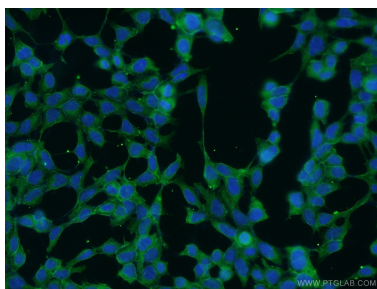
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

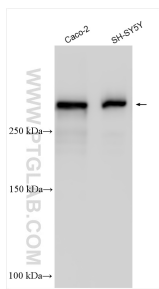
## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 25681-1-AP (SPTBN1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HEK-293 cells using 25681-1-AP (SPTBN1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 25681-1-AP (SPTBN1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.