



Datasheet for ABIN6242889
anti-Stathmin 1 antibody (AA 106-140)



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2 Images

Overview

Quantity:	200 µL
Target:	Stathmin 1 (STMN1)
Binding Specificity:	AA 106-140
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Stathmin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This STMN1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 106-140 amino acids from human STMN1.
Clone:	RB56178
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pr, Pig
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Stathmin 1 (STMN1)
Alternative Name:	STMN1 (STMN1 Products)

Target Details

Background: Involved in the regulation of the microtubule (MT) filament system by destabilizing microtubules. Prevents assembly and promotes disassembly of microtubules. Phosphorylation at Ser- 16 may be required for axon formation during neurogenesis. Involved in the control of the learned and innate fear (By similarity).

Molecular Weight: 17303

UniProt: [P16949](#)

Pathways: [MAPK Signaling](#), [Microtubule Dynamics](#)

Application Details

Application Notes: WB: 1:2000. FC: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

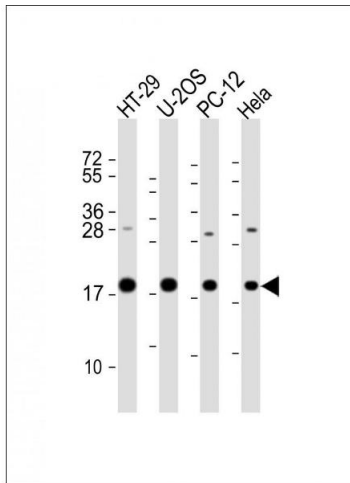
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

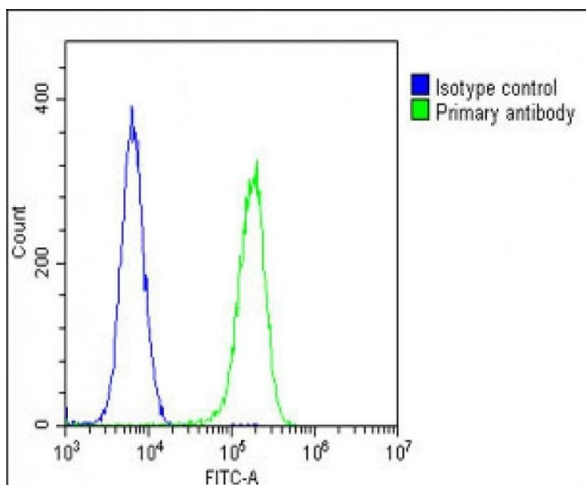
Storage: 4 °C,-20 °C

Expiry Date: 6 months



Western Blotting

Image 1. All lanes : Anti-STMN1 Antibody (C-Term) at 1:2000 dilution Lane 1: HT-29 whole cell lysate Lane 2: U-2OS whole cell lysate Lane 3: PC-12 whole cell lysate Lane 4: HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.



Flow Cytometry

Image 2. Overlay histogram showing U-2 OS cells stained with (ABIN6242889 and ABIN6578705)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6242889 and ABIN6578705), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.