

Datasheet for ABIN6244202

anti-SH3PXD2B antibody (AA 596-628)[Go to Product page](#)**2** Images

Overview

Quantity:	200 µL
Target:	SH3PXD2B
Binding Specificity:	AA 596-628
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SH3PXD2B antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This SH3PXD2B antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 596-628 amino acids from human SH3PXD2B.
Clone:	RB55314
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SH3PXD2B
Alternative Name:	SH3PXD2B (SH3PXD2B Products)
Background:	Adapter protein involved in invadopodia and podosome formation and extracellular matrix

Target Details

degradation. Binds matrix metalloproteinases (ADAMs), NADPH oxidases (NOXs) and phosphoinositides. Acts as an organizer protein that allows NOX1- or NOX3-dependent reactive oxygen species (ROS) generation and ROS localization. Plays a role in mitotic clonal expansion during the immediate early stage of adipocyte differentiation (By similarity).

Molecular Weight: 101579

UniProt: [A1X283](#)

Pathways: [Positive Regulation of fat Cell Differentiation](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

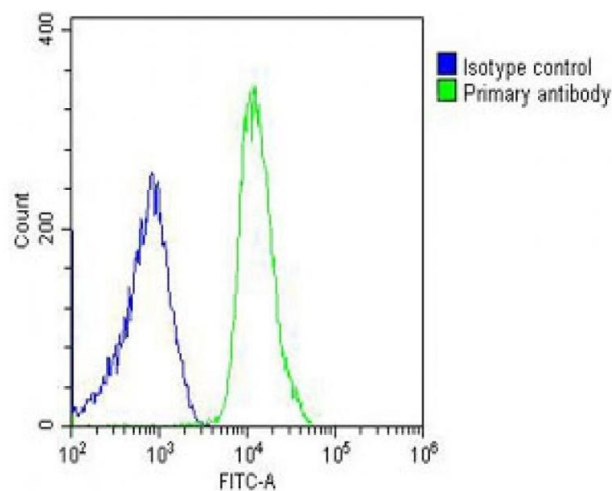
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

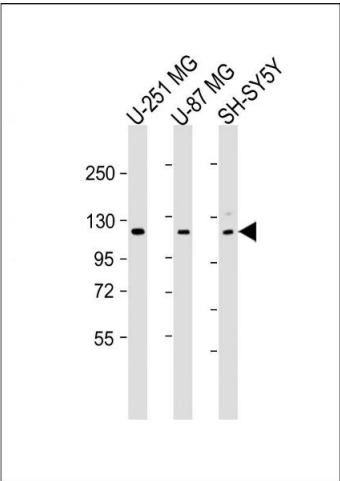
Storage: 4 °C, -20 °C

Expiry Date: 6 months



Flow Cytometry

Image 1. Overlay histogram showing U-2OS cells stained with (ABIN6244202 and ABIN6578629) (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 ((ABIN6244202 and ABIN6578629), 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 IgG (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



Western Blotting

Image 2. All lanes : Anti-SH3PXD2B Antibody (C-Term) at 1:2000 dilution Lane 1: U-251 MG whole cell lysate Lane 2: U-87 MG whole cell lysate Lane 3: SH-SY5Y 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 : 102 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.