Datasheet for ABIN6242830

anti-Sonic Hedgehog antibody (N-Term)

4 Images

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Overview

Quantity:	400 µL
Target:	Sonic Hedgehog (SHH)
Binding Specificity:	AA 58-91, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Sonic Hedgehog antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This mouse Shh antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 58-91 amino acids from the N-terminal region of mouse Shh.
Clone:	RB52387
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Sonic Hedgehog (SHH)
Alternative Name:	Shh (SHH Products)

Target Details

Molecular Weight:	47773
UniProt:	Q62226
Pathways:	Hedgehog Signaling, Dopaminergic Neurogenesis, Regulation of Muscle Cell Differentiation, Tube Formation, Skeletal Muscle Fiber Development

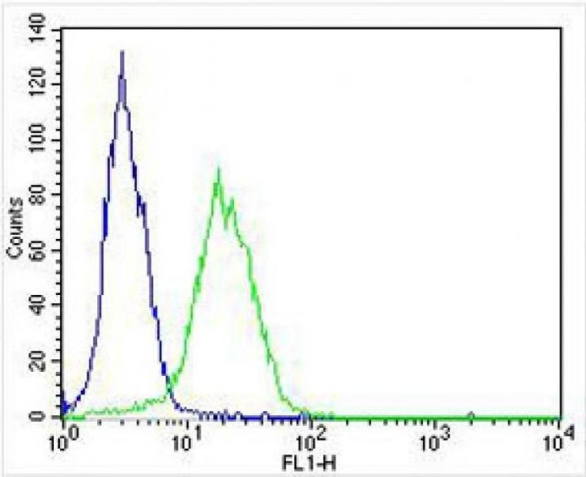
Application Details

Application Notes:	IF: 1:25. WB: 1:2000. IHC-P: 1:25. 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

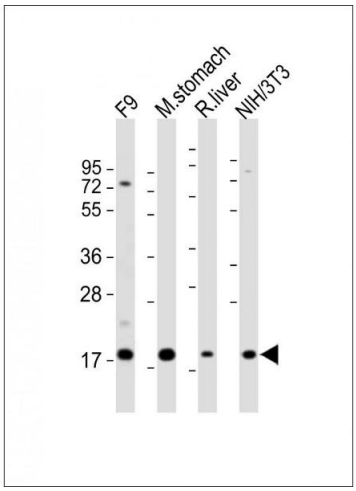
Images



Flow Cytometry

Image 1. Overlay histogram showing HT-29 cells stained with (ABIN6242830 and ABIN6577992) (green line). The cells were fixed with 4 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN656663 and ABIN2845904), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (1583138) at 1/400 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10^6 cells) used under the

same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. All lanes : Anti-Shh Antibody (N-term) at 1:2000 dilution Lane 1: F9 whole cell lysate Lane 2: mouse stomach lysates Lane 3: rat liver whole cell lysates Lane 4: NIH/3T3 lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 48 kDa Blocking/Dilution buffer: 5 % NFDM/TBST. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 84 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Immunofluorescence

Image 3. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized Hela (Human Cervical epithelial adenocarcinoma cell line) cells labeling Shh with (ABIN6242830 and ABIN6577992) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm and membrane staining on Hela cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red).The nuclear counter stain is DI (blue).

Please check the product details page for more images. Overall 4 images are available for ABIN6242830.