Datasheet for ABIN656158

anti-p130 antibody (N-Term)

3 Images | 1 Publication

Go to Product page

Overview

Quantity:	400 µL
Target:	p130 (RBL2)
Binding Specificity:	AA 165-194, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This p130 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This RBL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 165-194 amino acids from the N-terminal region of human RBL2.
Clone:	RB31021
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	p130 (RBL2)
Alternative Name:	RBL2 (RBL2 Products)

Target Details

Background:	RBL2 is a key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. RBL2 may act as a tumor suppressor.
Molecular Weight:	128367
Gene ID:	5934
NCBI Accession:	NP_005602
UniProt:	Q08999
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases

Application Details

Application Notes:	WB: 1:2000. FC: 1:10~50. FC: 1:25
Restrictions:	For Research Use only

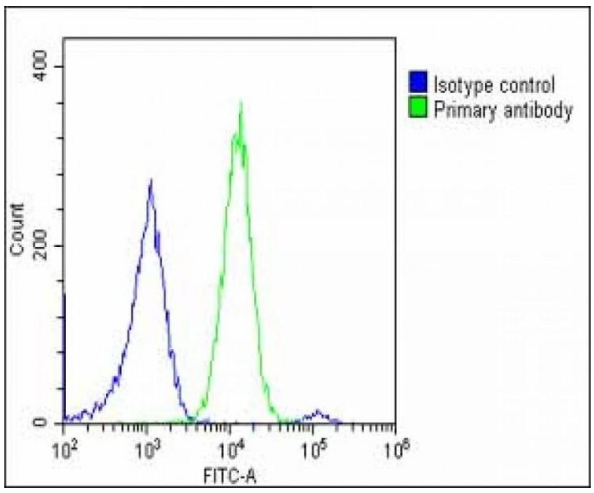
Handling

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
Storage Comment:	RBL2 Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months

Publications

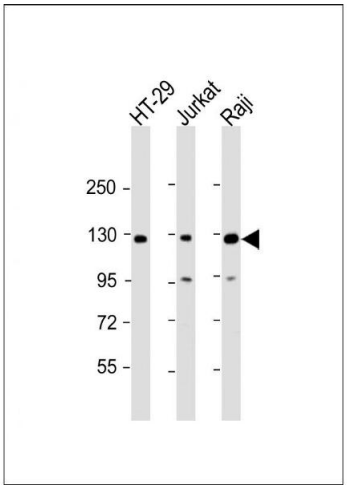
Product cited in: Hasegawa, Patel, Ettehadieh, Li, Lim: "Topogenesis and cell surface trafficking of GPR34 are facilitated by positive-inside rule that effects through a tri-basic motif in the first intracellular loop." in: **Biochimica et biophysica acta**, Vol. 1863, Issue 7 Pt A, pp. 1534-51, (2016) (PubMed).

Images



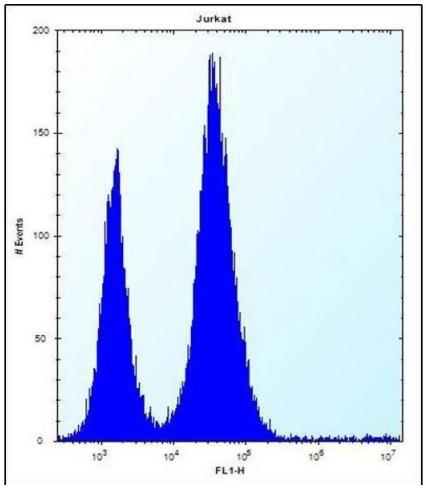
Flow Cytometry

Image 1. Overlay histogram showing U-2 OS cells stained with (ABIN656158 and ABIN2845489)(green line). The cells were fixed with 2 % 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 ((ABIN656158 and ABIN2845489), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µ g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. All lanes : Anti-RBL2 Antibody (N-term) at 1:2000 dilution Lane 1: HT-29 whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: Raji 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 : 128 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Flow Cytometry

Image 3. RBL2 Antibody (N-term) (ABIN656158 and ABIN2845489) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.