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Datasheet for ABIN6242412
anti-IL-11 antibody (AA 27-61)

2 Images

Overview

Quantity:	200 µL
Target:	IL-11 (IL11)
Binding Specificity:	AA 27-61
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-11 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This IL11 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 27-61 amino acids from human IL11.
Clone:	RB56890
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	IL-11 (IL11)
Alternative Name:	IL11 (IL11 Products)
Background:	Cytokine that stimulates the proliferation of hematopoietic stem cells and megakaryocyte

Target Details

progenitor cells and induces megakaryocyte maturation resulting in increased platelet production (PubMed:< a href="http://www.uniprot.org/citations/2145578" target="_blank">2145578). Also promotes the proliferation of hepatocytes in response to liver damage. Binding to its receptor formed by IL6ST and either IL11RA1 or IL11RA2 activates a signaling cascade that promotes cell proliferation (PubMed:< a href="http://www.uniprot.org/citations/12919066" target="_blank">12919066). Signaling leads to the activation of intracellular protein kinases and the phosphorylation of STAT3.

Molecular Weight: 21429

UniProt: [P20809](#)

Pathways: [JAK-STAT Signaling](#), [Negative Regulation of Hormone Secretion](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

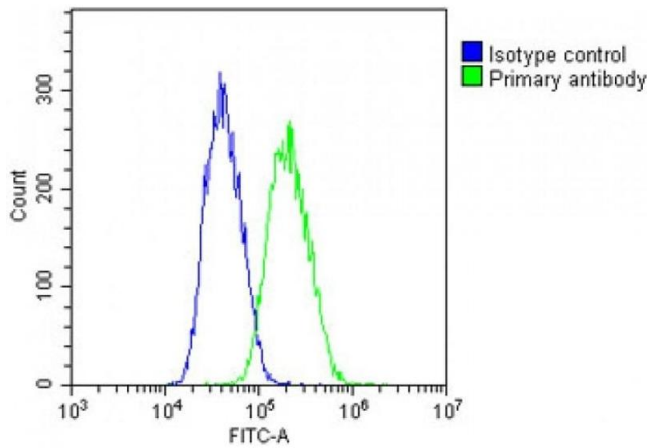
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

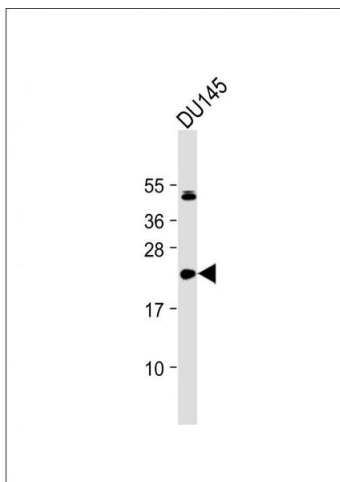
Storage: 4 °C,-20 °C

Expiry Date: 6 months



Flow Cytometry

Image 1. Overlay histogram showing PC-3 cells stained with (ABIN6242412 and ABIN6578812)(green line). The cells were fixed with 2 % paraformaldehyde 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 (1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at Room temperature. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. Anti-IL11 Antibody (N-Term) at 1:2000 dilution + D 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 : 21 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.