Datasheet for ABIN5530347

anti-Adrenomedullin antibody (AA 69-96)

3 Images

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Overview

Quantity:	400 µL
Target:	Adrenomedullin (ADM)
Binding Specificity:	AA 69-96
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adrenomedullin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This ADM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 69-96 amino acids from the Central region of human ADM.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Adrenomedullin (ADM)
Alternative Name:	ADM (ADM Products)
Target Type:	Hormone
Background:	ADM, a hypotensive peptide found in human pheochromocytoma, consists of 52 amino acids,

Target Details

	has 1 intramolecular disulfide bond, and shows a slight homology with the calcitonin gene-related peptide. It may function as a hormone in circulation control because it is found in blood in a considerable concentration. The precursor, called preproadrenomedullin, is 185 amino acids long. By RNA-blot analysis, human adrenomedullin mRNA was found to be highly expressed in several tissues. Genomic ADM DNA consists of 4 exons and 3 introns, with the 5-prime flanking region containing TATA, CAAT, and GC boxes.
Molecular Weight:	20 kDa
Gene ID:	133
UniProt:	P35318
Pathways:	Hormone Transport, Hormone Activity, C21-Steroid Hormone Metabolic Process, cAMP Metabolic Process, Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein Signaling, Tube Formation

Application Details

Application Notes:	For WB starting dilution is: 1:2000 For FACS starting dilution is: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.34 mg/mL
Buffer:	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:	Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

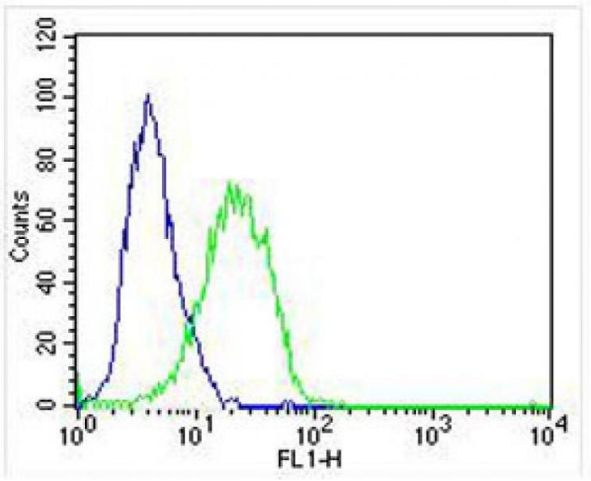
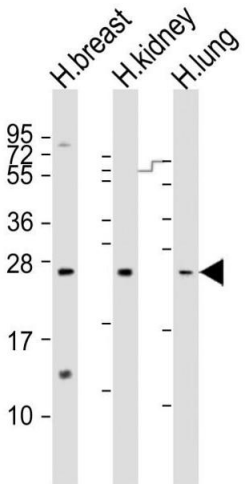
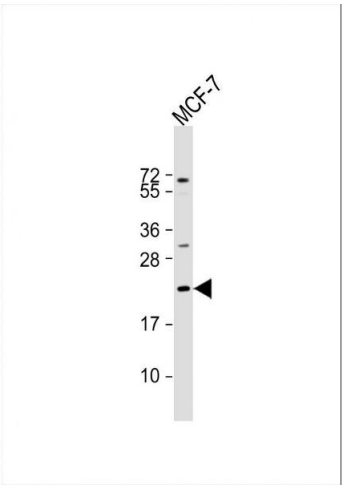


Image 1. Overlay histogram showing A549 cells stained with Antibody (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/400 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG (1ug/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. Western Blot at 1:1000-1:2000 dilution Lane 1: human breast lysate Lane 2: human kidney lysate Lane 3: human lung lysate Lysates/proteins at 20 ug per lane.



Western Blotting

Image 3. Western Blot at 1:2000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 ug per lane.