Datasheet for ABIN656136

anti-MED14 antibody (AA 586-615)

3 Images

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Overview

Quantity:	400 µL
Target:	MED14
Binding Specificity:	AA 586-615
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MED14 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This MED14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 586-615 amino acids from the Central region of human MED14.
Clone:	RB20179
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MED14
Alternative Name:	MED14 (MED14 Products)
Background:	The activation of gene transcription is a multistep process that is triggered by factors that

Target Details

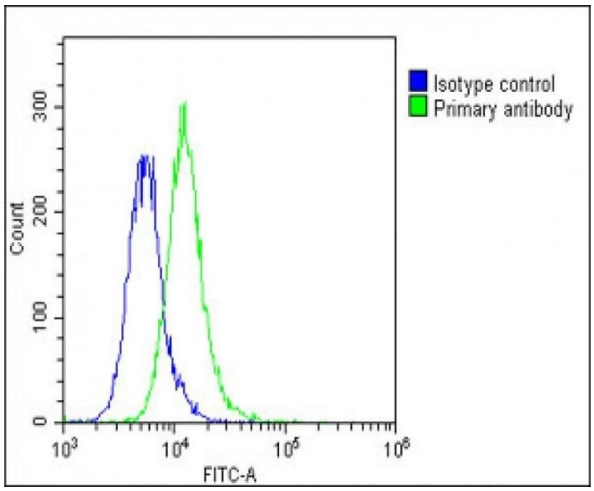
	recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. The protein encoded by this gene is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. This protein contains a bipartite nuclear localization signal. This gene is known to escape chromosome X-inactivation.
Molecular Weight:	160607
Gene ID:	9282
NCBI Accession:	NP_004220
UniProt:	O60244
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway, Nuclear Hormone Receptor Binding, Stem Cell Maintenance, Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	WB: 1:1000. WB: 1:4000. FC: 1:25
Restrictions:	For Research Use only

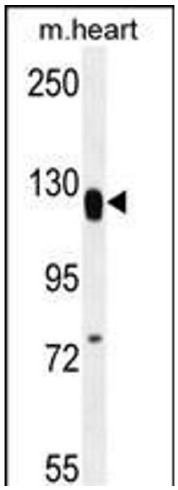
Handling

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:	MED14 Antibody (Center) 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



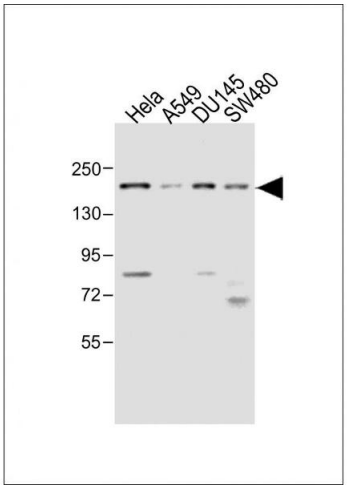
Flow Cytometry

Image 1. Overlay histogram showing A549 cells stained with C(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 (C, 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 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. MED14 Antibody (Center) (ABIN656136 and ABIN2845475) western blot analysis in mouse heart tissue lysates (35 µg/lane).This demonstrates the MED14 antibody detected the MED14 protein (arrow).



Western Blotting

Image 3. All lanes : Anti-MED14 Antibody (Center) at 1:4000 dilution Lane 1: Hela whole cell lysate Lane 2: A549 whole cell lysate Lane 3: D whole cell lysate Lane 4: S 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 : 160 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.