Datasheet for ABIN655062

anti-CAD antibody (AA 780-809)

7 Images

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Overview

Quantity:	400 µL
Target:	CAD
Binding Specificity:	AA 780-809
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This CAD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 780-809 amino acids from the Central region of human CAD.
Clone:	RB18384
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CAD

Target Details

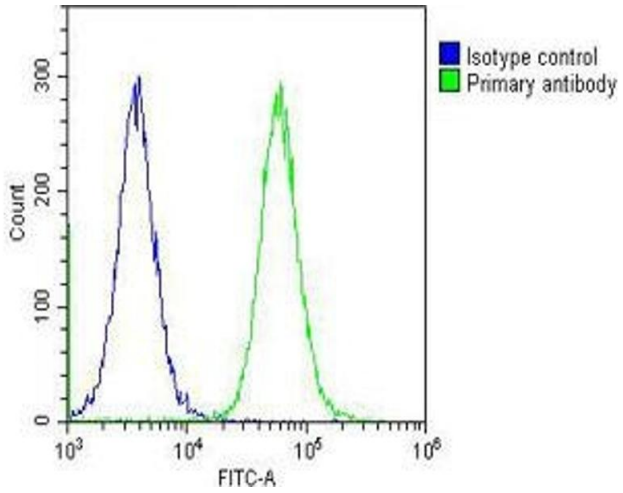
Alternative Name:	CAD (CAD Products)
Background:	The de novo synthesis of pyrimidine nucleotides is required for mammalian cells to proliferate. This gene encodes a trifunctional protein which is associated with the enzymatic activities of the first 3 enzymes in the 6-step pathway of pyrimidine biosynthesis: carbamoylphosphate synthetase (CPS II), aspartate transcarbamoylase, and dihydroorotase. This protein is regulated by the mitogen-activated protein kinase (MAPK) cascade, which indicates a direct link between activation of the MAPK cascade and de novo biosynthesis of pyrimidine nucleotides.
Molecular Weight:	242984
Gene ID:	790
NCBI Accession:	NP_004332
UniProt:	P27708
Pathways:	Production of Molecular Mediator of Immune Response, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	WB: 1:2000. WB: 1:2000. WB: 1:2000. WB: 1:1000. IHC-P: 1:10~50. IHC-P: 1:25. FC: 1:25
Restrictions:	For Research Use only

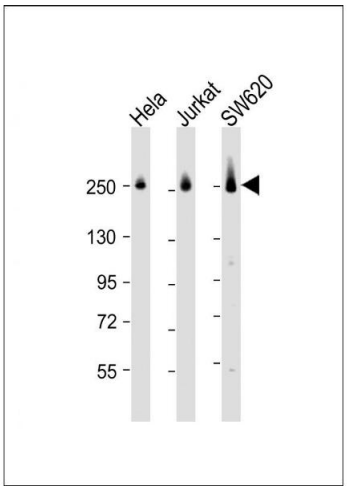
Handling

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
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



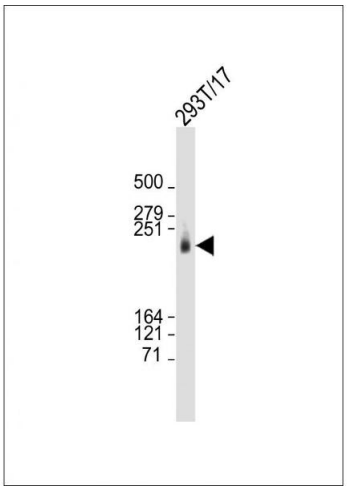
Flow Cytometry

Image 1. Overlay histogram showing Hela cells stained with (ABIN655062 and ABIN2844692) (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 ((ABIN655062 and ABIN2844692), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG (1 µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. All lanes : Anti-CAD Antibody (Center) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: 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 : 243 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. Anti-CAD Antibody (Center) at 1:2000 dilution + 293T/17 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 : 243 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 7 images are available for ABIN655062.