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Datasheet for ABIN7127462 Recombinant anti-E2F1 antibody

5 Images



Overview

Quantity:	100 μL
Target:	E2F1
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This E2F1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Alternative Name:

Immunogen:	A synthesized peptide derived from human E2F1
Clone:	1D12
Isotype:	lgG
Cross-Reactivity:	Human, Rat
Purification:	Affinity-chromatography
Target Details	
Target:	E2F1

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E2F1 (E2F1 Products)

Target Details

Background:	Background: Transcription activator that binds DNA cooperatively with DP proteins through the
	E2 recognition site, 5'-TTTC[CG]CGC-3' found in the promoter region of a number of genes
	whose products are involved in cell cycle regulation or in DNA replication. The DRTF1/E2F
	complex functions in the control of cell-cycle progression from G1 to S phase. E2F1 binds
	preferentially RB1 in a cell-cycle dependent manner. It can mediate both cell proliferation and
	TP53/p53-dependent apoptosis. Blocks adipocyte differentiation by binding to specific
	promoters repressing CEBPA binding to its target gene promoters (PubMed:20176812).
	Aliases: Transcription factor E2F1 (E2F-1) (PBR3) (Retinoblastoma-associated protein 1)
	(RBAP-1) (Retinoblastoma-binding protein 3) (RBBP-3) (pRB-binding protein E2F-1), E2F1,
	RBBP3
UniProt:	Q01094
Pathways:	p53 Signaling, Cell Division Cycle, Mitotic G1-G1/S Phases, DNA Replication, M Phase,
	Autophagy

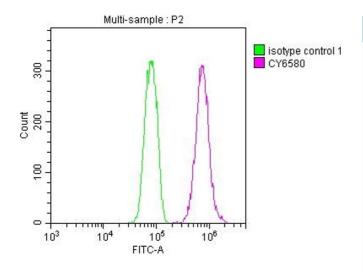
Application Details

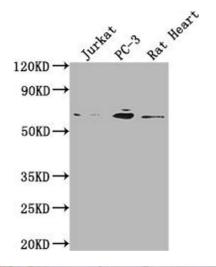
Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200, IF:1:20-1:200, FC:1:20-1:200,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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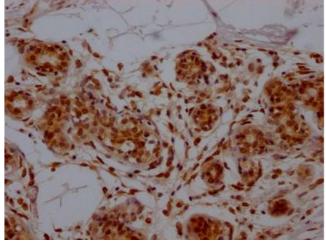


Flow Cytometry

Image 1. Overlay histogram showing Hela cells stained with ABIN7127462 (red line) at 1:50. The cells were fixed with 70 % Ethylalcohol (18h) and then incubated in 10 % normal goat serum to block non-specific protein-protein interactions followedby the antibody (1 μ g/1*106cells) for 1 h at 4 °C.The secondary antibody used was FITC-conjugated goat anti-rabbit IgG (H+L) at 1/200 dilution for 30 min at 4 °C. Control antibody (green line) was Rabbit IgG (1 μ g/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.

Western Blotting

Image 2. Western Blot Positive WB detected in: Jurkat whole cell lysate, PC-3 whole cell lysate, Rat Heart tissue All lanes: E2F1 antibody at 1:2000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 47 kDa Observed band size: 60 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7127462 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05 % DAB.

Please check the product details page for more images. Overall 5 images are available for ABIN7127462.

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