Datasheet for ABIN5534403

anti-ID1 antibody (AA 66-93)

3 Images

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Overview

Quantity:	400 µL
Target:	ID1
Binding Specificity:	AA 66-93
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ID1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ID1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-93 amino acids from the Central region of human ID1.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ID1
Alternative Name:	ID1 (ID1 Products)
Background:	The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no

Target Details

	DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].
Molecular Weight:	16 kDa
Gene ID:	3397
UniProt:	P41134

Application Details

Application Notes:	For FACS starting dilution is: 1:25 For WB starting dilution is: 1:1000 For IHC-P starting dilution is: 1:10~50 For IF starting dilution is: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 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.

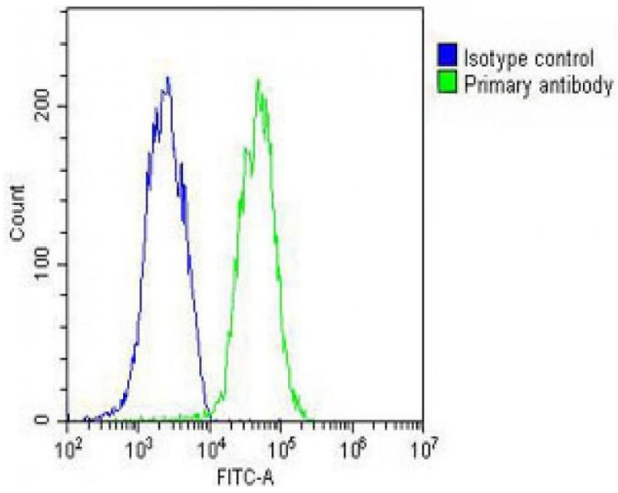
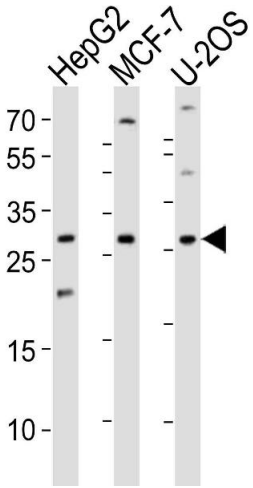
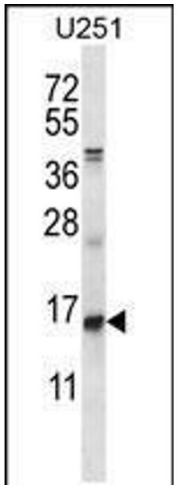


Image 1. Overlay histogram showing HepG2 cells stained with Antibody (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed 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 1/200 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 analysis of lysates from HepG2, MCF-7, U-2OS cell line (from left to right), using ID1 Antibody at 1:1000 at each lane.



Western Blotting

Image 3. Western blot analysis in U251 cell line lysates (35ug/lane).