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# Recombinant anti-ID1 antibody

2 Images



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# Overview

Quantity:	100 μL
Target:	ID1
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This ID1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

# **Product Details**

Immunogen:	A synthesized peptide derived from human Id1
Clone:	2C7
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Affinity-chromatography

# Target Details

Target:	ID1
Alternative Name:	ID1 (ID1 Products)
Background:	Background: Transcriptional regulator (lacking a basic DNA binding domain) which negatively

# **Target Details**

regulates the basic helix-loop-helix (bHLH) transcription factors by forming heterodimers and inhibiting their DNA binding and transcriptional activity. Implicated in regulating a variety of cellular processes, including cellular growth, senescence, differentiation, apoptosis, angiogenesis, and neoplastic transformation. Inhibits skeletal muscle and cardiac myocyte differentiation. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-ARNTL/BMAL1 heterodimer (By similarity).

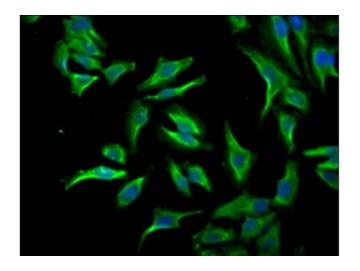
Aliases: DNA-binding protein inhibitor ID-1 (Class B basic helix-loop-helix protein 24) (bHLHb24) (Inhibitor of DNA binding 1) (Inhibitor of differentiation 1), ID1, BHLHB24 ID

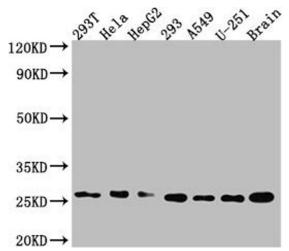
UniProt:

P41134

# **Application Details**

Application Notes:	Recommended dilution: WB:1:500-1:5000, IF: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.





## **Immunofluorescence**

**Image 1.** Immunofluorescence staining of Hela Cells with ABIN7127560 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

## **Western Blotting**

Image 2. Western Blot Positive WB detected in: 293T whole cell lysate, Hela whole cell lysate, HepG2 whole cell lysate 293 whole cell lysate, A549 whole cell lysate, U-251 whole cell lysate, Mouse Brain whole cell lysate All lanes: Id1 antibody at 1:1000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 17, 16 kDa Observed band size: 26 kDa