

Datasheet for ABIN931172  
**anti-ID1 antibody**

2 Images



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## Overview

Quantity:	100 µg
Target:	ID1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ID1 antibody is un-conjugated
Application:	Immunocytochemistry (ICC), Dot Blot (DB)

## Product Details

Immunogen:	ID1 antibody was raised in mouse using recombinant Human Inhibitor Of Dna Binding 1, Dominant Negative Helixloop-Helix Protein (Id1)
Clone:	2456C1a
Isotype:	IgG1
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

## Target Details

Target:	ID1
Alternative Name:	ID1 ( <a href="#">ID1 Products</a> )

## Target Details

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**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 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. Synonyms: Monoclonal ID1 antibody, Anti-ID1 antibody, DNA-binding protein inhibitor ID-1 antibody, ID antibody.

## Application Details

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**Application Notes:** ICC: 2-100 µg/mL  
Optimal conditions should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

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**Concentration:** Lot specific

**Buffer:** ID1 antibody in PBS (3.0 mM KCl, 1.5 mM KH<sub>2</sub> PO<sub>4</sub>, 140 mM NaCl, 8.0 mM Na<sub>2</sub> HPO<sub>4</sub> (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN<sub>3</sub>).

**Preservative:** Sodium azide

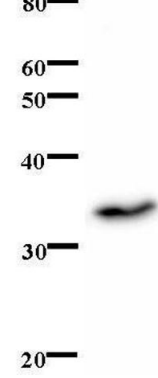
**Precaution of Use:** This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

**Handling Advice:** Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

**Storage:** 4 °C/-20 °C

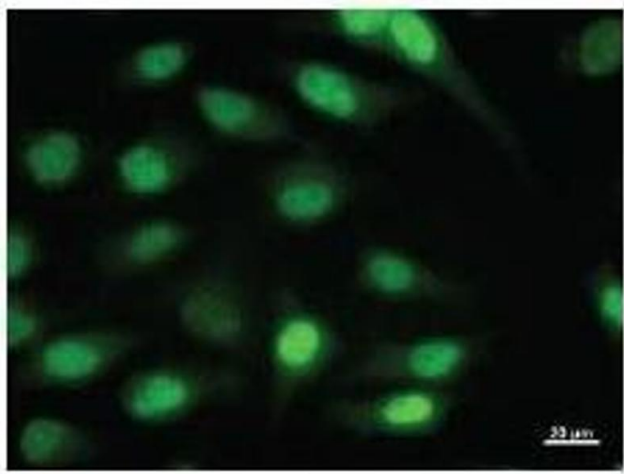
**Storage Comment:** Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.

kDa  
120  
100  
80  
60  
50  
40  
30  
20



### Western Blotting

Image 1.



### Immunofluorescence

**Image 2.** Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-X100 in PBS. The cells were immunostained with anti-ID1 antibody.