

**Id1 Antibody**  
Rabbit mAb  
Catalog # AP90147

## Specification

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### Id1 Antibody - Product Information

Application	WB, IHC, FC, ICC
Primary Accession	<a href="#">P41134</a>
Reactivity	Rat
Clonality	Monoclonal

#### Other Names

DNA-binding protein inhibitor ID-1; Class B basic helix-loop-helix protein 24; bHLHb24; Inhibitor of DNA binding 1; ID1; BHLHB24; ID

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	16133 Da

### Id1 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Id1
Description	Transcriptional regulator (lacking a basic DNA binding domain) which negatively 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### Id1 Antibody - Protein Information

Name ID1

## Synonyms BHLHB24, ID

### Function

Transcriptional regulator (lacking a basic DNA binding domain) which negatively 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-BMAL1 heterodimer (By similarity).

### Cellular Location

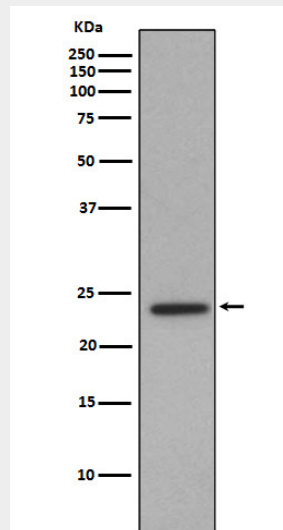
Cytoplasm. Nucleus.

## Id1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Id1 Antibody - Images



Western blot analysis of Id1 in HepG2 cell lysate.