

## **Id1** Antibody

Rabbit mAb Catalog # AP90147

#### **Specification**

## **Id1** Antibody - Product Information

Application WB, IHC, FC, ICC

Primary Accession P41134
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

ld1

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**

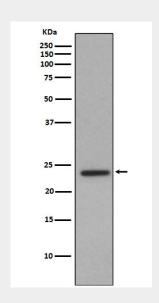
Cytoplasm. Nucleus.

# **Id1 Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

#### **Id1 Antibody - Images**



Western blot analysis of Id1 in HepG2 cell lysate.