

**Anti-ID / ID1 Antibody (Internal)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS17407**

**Specification**

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**Anti-ID / ID1 Antibody (Internal) - Product Information**

Application	<b>WB, IHC-P</b>
Primary Accession	<a href="#">P41134</a>
Predicted	<b>Human, Mouse, Rat, Rabbit</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>16133</b>

**Anti-ID / ID1 Antibody (Internal) - Additional Information**

**Gene ID** 3397

**Alias Symbol** **ID1**  
**Other Names**  
ID1, BHLHb24, ID, Inhibitor of differentiation 1, Inhibitor of DNA binding 1, DJ857M17.1.2

**Target/Specificity**  
Recognizes endogenous levels of ID1 protein.

**Reconstitution & Storage**  
PBS, pH 7.3, 0.01% sodium azide, 30% glycerol. Store at -20°C. Aliquot to avoid freeze/thaw cycles.

**Precautions**  
Anti-ID / ID1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-ID / ID1 Antibody (Internal) - 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.

### **Anti-ID / ID1 Antibody (Internal) - 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](#)

### **Anti-ID / ID1 Antibody (Internal) - Images**