

## Product datasheet for **TA330144**

### ID1 Rabbit Polyclonal Antibody

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | WB   |
| Recommended Dilution:   | WB   |
| Reactivity:             | Human  |
| Host:                   | Rabbit   |
| Isotype:                | IgG  |
| Clonality:              | Polyclonal   |
| Immunogen:              | The immunogen for anti-ID1 antibody: synthetic peptide directed towards the middle region of human ID1. Synthetic peptide located within the following region:<br>IRDQLQLELNSESEVGTTPGGRGLPVRAPLSTLNGEISALTAEVRSRSDH |
| Formulation:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br><i>Note that this product is shipped as lyophilized powder to China customers.</i>                              |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 15 kDa   |
| Gene Name:              | inhibitor of DNA binding 1, HLH protein  |
| Database Link:          | <a href="#">NP_851998</a><br><a href="#">Entrez Gene 3397 Human</a><br><a href="#">P41134</a>  |



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**Background:**

ID1 is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. It 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. 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:**

bHLHb24; ID

**Note:**

Immunogen sequence homology: Human: 100%

**Protein Families:**

Druggable Genome, Transcription Factors

**Protein Pathways:**

TGF-beta signaling pathway

**Product images:**

WB Suggested Anti-ID1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:7812500; Positive Control: Human brain