

For Research Use Only

# ID1 Monoclonal antibody

Catalog Number: 67827-1-Ig



## Basic Information

<b>Catalog Number:</b> 67827-1-Ig	<b>GenBank Accession Number:</b> BC000613	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150UL, Concentration: 1000 µg/ml by Nanodrop and 712 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3397	<b>CloneNo.:</b> 1H3G11
<b>Source:</b> Mouse	<b>Full Name:</b> inhibitor of DNA binding 1, dominant negative helix-loop-helix protein	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 16 kDa	
<b>Immunogen Catalog Number:</b> AG13359	<b>Observed MW:</b> 20 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB: A549 cells,
<b>Species Specificity:</b> Human, mouse, rat	

## Background Information

ID (inhibitor of DNA binding) proteins contain a helix-loop-helix (HLH) motif and regulate tissue-specific transcription within several cell lineages. They do not bind DNA directly, but inhibit lineage commitment by binding basic helix-loop-helix (bHLH) transcription factors through their HLH motif. ID1 proteins lack a basic DNA-binding domain but are able to form heterodimers with other HLH proteins, thereby inhibiting DNA binding. ID proteins contribute to cell growth, senescence, differentiation, and angiogenesis. Inhibitor of differentiation or DNA binding-1 (ID1) interacts with the transactivation domain of p65 (p65TAD) both in vitro and in vivo. The molecular weight of ID1 and p65 complex is about 45-50 kDa (PMID: 22592405).

## Storage

**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

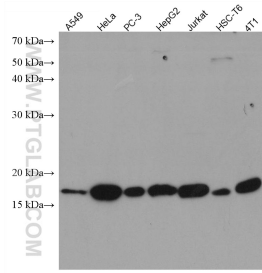
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67827-1-Ig (ID1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.