

For Research Use Only

# ID1 Monoclonal antibody, PBS Only

Catalog Number: 67827-1-PBS



## Basic Information

<b>Catalog Number:</b> 67827-1-PBS	<b>GenBank Accession Number:</b> BC000613	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 3397	<b>CloneNo.:</b> 1H3G11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P41134	
<b>Isotype:</b> IgG1	<b>Full Name:</b> inhibitor of DNA binding 1, dominant negative helix-loop-helix protein	
<b>Immunogen Catalog Number:</b> AG13359	<b>Calculated MW:</b> 16 kDa	
	<b>Observed MW:</b> 18 kDa	

## Applications

**Tested Applications:**  
WB,IHC,ELISA

**Species Specificity:**  
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 is about 18 kDa.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only

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

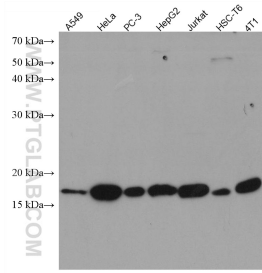
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

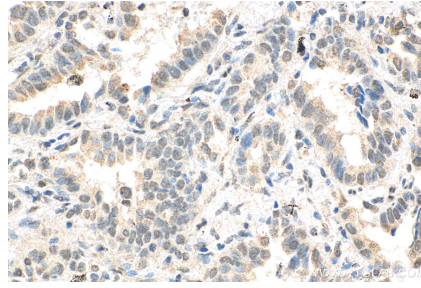
W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 67827-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67827-1-Ig (ID1 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67827-1-PBS in a different storage buffer formulation.