

ID1 Monoclonal antibody, PBS Only

Catalog Number: 67827-1-PBS

Basic Information

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

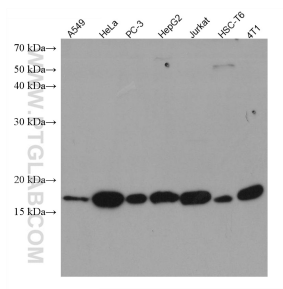
Storage

Storage:
Store at -80°C.

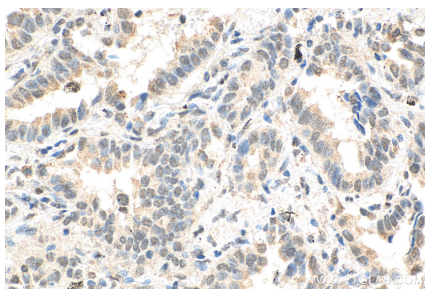
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only

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.