

For Research Use Only

ID1 Polyclonal antibody, PBS Only

Catalog Number: 18475-1-PBS

Featured Product



Basic Information

Catalog Number:

18475-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13359

GenBank Accession Number:

BC000613

GeneID (NCBI):

3397

UNIPROT ID:

P41134

Full Name:

inhibitor of DNA binding 1, dominant negative helix-loop-helix protein

Calculated MW:

16 kDa

Observed MW:

20 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect 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 20 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, pH7.3

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

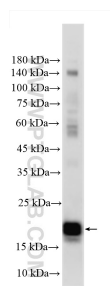
T: 4006900926

E: Proteintech-CN@ptglab.com

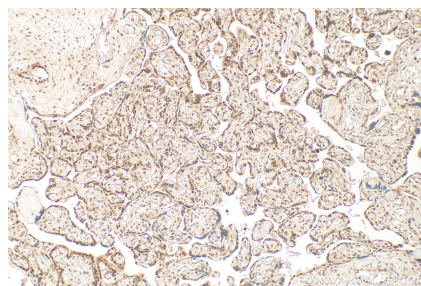
W: ptgcn.com

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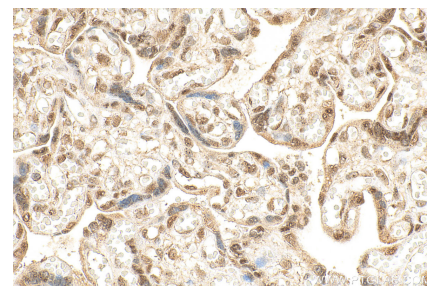
Selected Validation Data



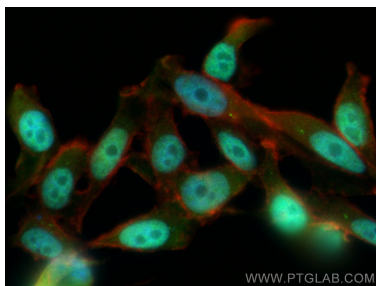
A549 cells were subjected to SDS PAGE followed by western blot with 18475-1-AP (ID1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18475-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 18475-1-AP (ID1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18475-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 18475-1-AP (ID1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18475-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using ID1 antibody (18475-1-AP) at dilution of 1:600 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red). This data was developed using the same antibody clone with 18475-1-PBS in a different storage buffer formulation.