

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-ID4



Numéro de catalogue: 21803-1-AP

## Informations de base

|   |   |  |
|---|---|--|
| <b>Numéro de catalogue:</b><br>21803-1-AP                       | <b>Numéro d'acquisition GenBank:</b><br>BC014941  | <b>Méthode de purification:</b><br>Purification par affinité contre l'antigène |
| <b>Taille:</b><br>150ul , Concentration: 300 µg/ml by Nanodrop; | <b>Identification du gène (NCBI):</b><br>3400   | <b>Dilutions recommandées:</b><br>WB 1:1000-1:4000<br>IHC 1:50-1:500           |
| <b>Hôte:</b><br>Lapin   | <b>Nom complet:</b><br>inhibitor of DNA binding 4, dominant negative helix-loop-helix protein |  |
| <b>Isotype:</b><br>IgG  | <b>MW calculé:</b><br>161 aa, 17 kDa  |  |
| <b>Immunogen Catalog Number:</b><br>AG16883                     | <b>MW observés:</b><br>25-30 kDa  |  |

## Applications

**Applications testées:**  
IHC, WB, ELISA

**Spécificité de l'espèce:**  
Humain, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

**Contrôles positifs:**

**WB :** cellules HepG2, cellules K-562, cellules MDA-MB-231, tissu testiculaire de souris

**IHC :** tissu testiculaire de souris, tissu testiculaire de rat

## Informations générales

ID4 (inhibitor of DNA binding 4) negatively regulates the basic helix-loop-helix (bHLH) transcription factors by forming heterodimers and inhibiting their DNA binding and transcriptional activity. (PMID: 19783986). ID4 levels dictate the stem cell state in mouse spermatogonia (PMID: 28087628). It is involved in the regulation of many cellular processes during both prenatal development and tumorigenesis. ID4 can be detected 25-30 kDa (PMID: 34108007, PMID: 31847356).

## Stockage

**Stockage:**

Stocker à -20°C. Stable pendant un an après l'expédition.

**Tampon de stockage:**

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

**\*\*\* Les 20ul contiennent 0,1% de BSA.**

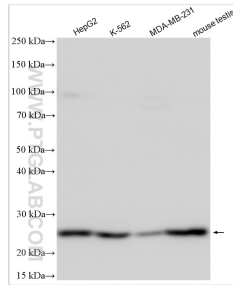
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

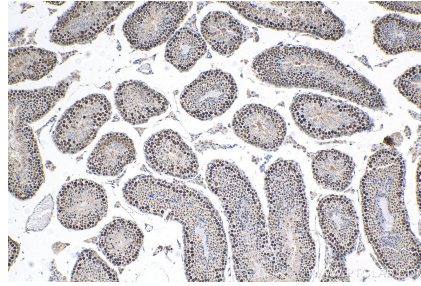
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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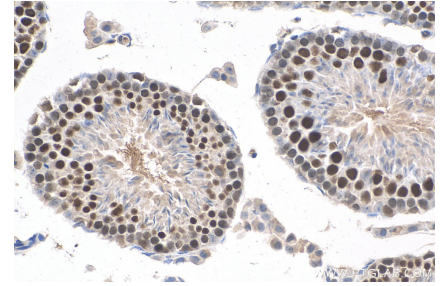
## Données de validation sélectionnées



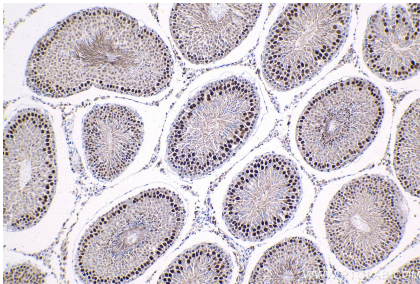
Various lysates were subjected to SDS PAGE followed by western blot with 21803-1-AP (ID4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



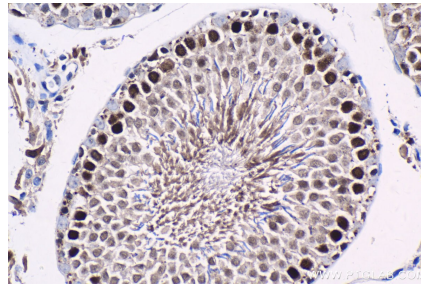
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 21803-1-AP (ID4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 21803-1-AP (ID4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 21803-1-AP (ID4 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 21803-1-AP (ID4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).