

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-DNASE2



Numéro de catalogue: 15934-1-AP

Phare

3 Publications

Informations de base

Numéro de catalogue:

15934-1-AP

Taille:

150ul, Concentration: 600 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG8781

Numéro d'acquisition GenBank:

BC010419

Identification du gène (NCBI):

1777

Nom complet:

deoxyribonuclease II, lysosomal

MW calculé

360 aa, 40 kDa

MW observés:

32-40 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IHC 1:1000-1:4000

IF 1:200-1:800

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, souris

Contrôles positifs:

WB : cellules HeLa, cellules Jurkat, cellules LNCaP, cellules MDA-MB-231, cellules MG U-87

IP : cellules HeLa,

IHC : tissu rénal de souris,

IF : cellules HeLa,

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.

Informations générales

DNASE2, or 'acid DNase,' hydrolyzes DNA under acidic conditions and is one of 2 distinct mammalian DNases. It hydrolyzes DNA under acidic conditions with a preference for double-stranded DNA. It has a key role in the degradation of nuclear DNA in cellular apoptosis during development [PMID:18812394]. Besides, it is necessary for proper fetal development and for definitive erythropoiesis in fetal liver, where it degrades nuclear DNA expelled from erythroid precursor cells. It has been demonstrated to be responsible for DNA degradation in apoptotic cells engulfed by macrophages and exogenous DNA on the skin surface [PMID:23019102]. DNASE2 exists some isoforms with MV 39 and 34 kDa. (PMID: 14644493)

Publications notables

| Autrice | Pubmed ID | Journal | Application |
|--------------|-----------|-------------------|-------------|
| Xiaojuan Han | 32047109 | J Biol Chem | WB |
| Danli Zhao | 36464146 | Pharmacol Res | WB |
| Lisi Li | 37160728 | Mol Nutr Food Res | WB |

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.

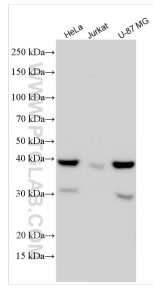
For technical support and original validation data for this product please contact:

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

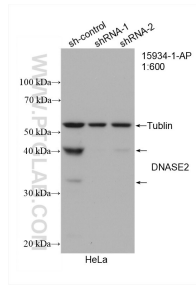
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

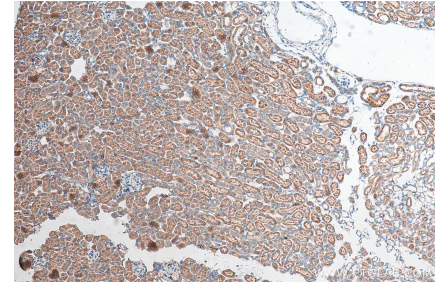
Données de validation sélectionnées



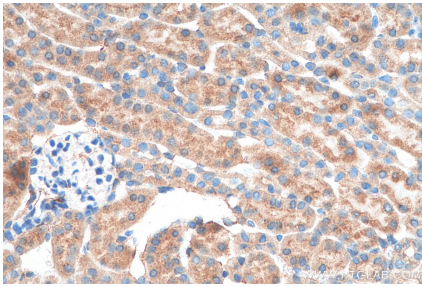
Various lysates were subjected to SDS PAGE followed by western blot with 15934-1-AP (DNASE2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



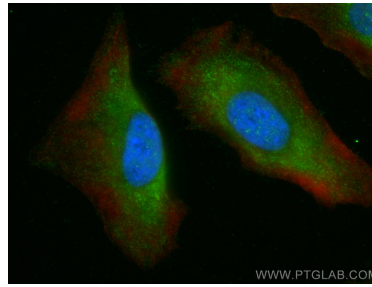
WB result of DNASE2 antibody (15934-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNASE2 transfected HeLa cells.



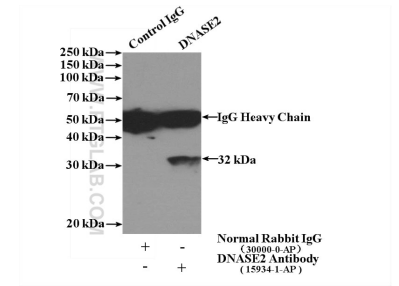
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 15934-1-AP (DNASE2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 15934-1-AP (DNASE2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using DNASE2 antibody (15934-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP Result of anti-DNASE2 (IP:15934-1-AP, 4ug; Detection:15934-1-AP 1:300) with HeLa cells lysate 3200ug.