À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-IDUA

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:30006-1-AP

## Informations de base

Numéro de catalogue:
30006-1-AP

Taille:
150ul , Concentration: 300 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG30658

Numéro d'acquisition GenBank:
NM_000203

Identification du gène (NCBI):
3425

Nom complet:
iduronidase, alpha-L-

MW calculé
73 kDa

MW observés:
73 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:3000
IHC 1:50-1:500

## Applications

Applications testées:
IHC, WB, ELISA

Spécificité de l'espèce:
Humain, 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 A549, cellules HEK-293, cellules LNCaP, tissu cérébral de rat, tissu cérébral de souris

IHC : tissu rénal de souris,

## Informations générales

Iduronidase (L-iduronidase, alpha-L-iduronidase, laronidase) is an enzyme with the systematic name glycosaminoglycan alpha-L-iduronohydrolase. This enzyme catalyzes the hydrolysis of unsulfated alpha-L-iduronosidic linkages in dermatan sulfate. It is a glycoprotein enzyme found in the lysosomes of cells. It is involved in the degeneration of glycosaminoglycans such as dermatan sulfate and heparan sulfate. The enzyme acts by hydrolyzing the terminal alpha-L-iduronic acid residues of these molecules, degrading them (PMID: 4993544,30407). A deficiency in the IDUA protein is associated with mucopolysaccharidoses (MPS). MPS, a type of lysosomal storage disease, is typed I through VII. In this syndrome, glycosaminoglycans accumulate in the lysosomes and cause substantial disease in many different tissues of the body. IDUA mutations result in the MPS 1 phenotype, which is inherited in an autosomal recessive fashion. The defective alpha-L-iduronidase results in an accumulation of heparan and dermatan sulfate within phagocytes, endothelium, smooth muscle cells, neurons, and fibroblasts. Prenatal diagnosis of this enzyme deficiency is possible (PMID:8242073).

## 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
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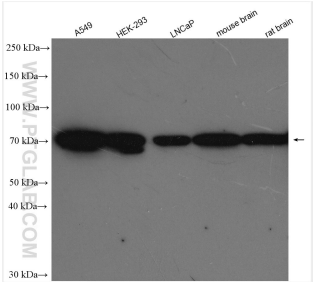
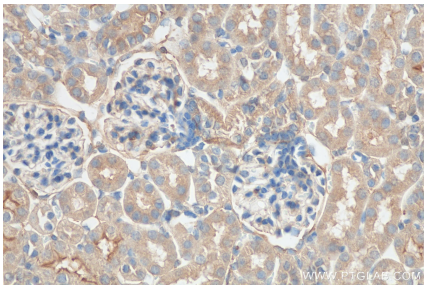
## Données de validation sélectionnées




Various lysates were subjected to SDS PAGE followed by western blot with 30006-1-AP (IDUA antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.




Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30006-1-AP (IDUA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).