À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Alpha Galactosidase A

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:15428-1-AP Phare 2 Publications

Informations de base

Numéro de catalogue:
15428-1-AP

Taille:
150ul , Concentration: 450 μg/ml by Nanodrop and 267 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG7609

Numéro d'acquisition GenBank:
BC002689

Identification du gène (NCBI):
2717

Nom complet:
galactosidase, alpha

MW calculé
49 kDa

MW observés:
46-50 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:3000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:250-1:1000

Applications

Applications testées:
IHC, IP, WB,ELISA

Demandes citées:
IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
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 MCF-7, cellules HEK-293, cellules HeLa

IP : cellules HEK-293,

IHC : tissu de cancer du foie humain, tissu hépatique de souris, tissu hépatique humain

Informations générales

GLA (Alpha-galactosidase A), also named as Melibiase or Agalsidase, belongs to the glycosyl hydrolase 27 family. It catalyzes the hydrolysis of terminal, non-reducing alpha-D-galactose residues in alpha-D-galactosides, including galactose oligosaccharides, galactomannans and galactolipids. The deficient activity of GLA can cause Fabry disease which is an X-linked inborn error of glycosphingolipid metabolis (PMID: 19287194). Enzyme replacement therapy (ERT) with GLA is currently the most effective therapeutic strategy for patients with Fabry disease (PMID: 20398385). In humans, GLA is synthesized as a 50 kDa precursor, which is further processed to a 46 kDa mature form of the protein (PMID: 9883849, 19387866). It also has a homodimer form with the molecular mass of 110 kDa (PMID: 17287429).

Publications notables

Autrice	Pubmed ID	Journal	Application
Joaquin Seras-Franzoso	33738082	J Extracell Vesicles	WB,IHC
Wladimir Mauhin	30064518	Orphanet J Rare Dis	

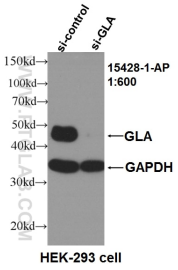
Stockage

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

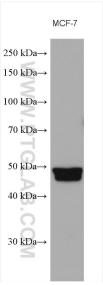
*** Les 20ul contiennent 0,1% de BSA.

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

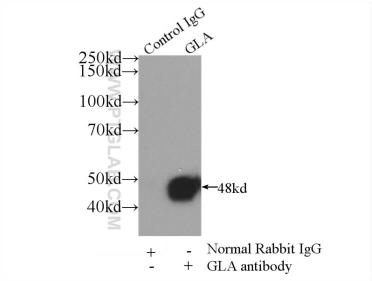
Données de validation sélectionnées



WB result of GLA antibody (15428-1-AP, 1:600) with si-Control and si-GLA transfected HEK293 cells..

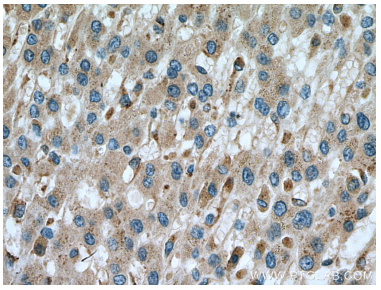


MCF-7 cells were subjected to SDS PAGE followed by western blot with 15428-1-AP (Alpha galactosidase A antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP Result of anti-Alpha galactosidase A (IP:15428-1-AP, 3ug; Detection:15428-1-AP 1:1000) with HEK-293 cells lysate 1800ug.

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15428-1-AP (Alpha galactosidase A antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15428-1-AP (Alpha galactosidase A antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).