

À des fins de recherche uniquement

Anticorps Monoclonal anti-Beta Galactosidase



Numéro de catalogue: 66586-1-Ig

Phare

1 Publications

Informations de base

Numéro de catalogue: 66586-1-Ig	Numéro d'acquisition GenBank: BC007493	Méthode de purification: Purification par protéine G
Taille: 150ul, Concentration: 1000 µg/ml by Nanodrop and 471 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 2720	CloneNo.: 4F4F4
Hôte: Mouse	Nom complet: galactosidase, beta 1	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:250-1:1000 IF 1:50-1:500
Isotype: IgG1	MW calculé: 76 kDa	
Immunogen Catalog Number: AG8069	MW observés: 64-66 kDa, 76-85 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IF

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

sheep

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

Contrôles positifs:

WB : cellules LNCaP, cellules A549, cellules HEK-293, cellules HeLa, cellules HepG2, cellules Jurkat, cellules K-562

IHC : tissu rénal humain,

IF : cellules HepG2,

Informations générales

GLB1 (Beta-galactosidase) is also named as ELNR1 or Lactase. It cleaves beta-linked terminal galactosyl residues from gangliosides, glycoproteins, and glycosaminoglycans. This protein is identical to the elastin-binding protein (EBP), a major component of the nonintegrin cell surface receptor complex expressed in fibroblasts, smooth muscle cells, chondroblasts, leukocytes, and certain cancer cell types. Defects in GLB1 are the cause of GM1-gangliosidosis type 1 (GM1G1), GM1-gangliosidosis type 2 (GM1G2), GM1-gangliosidosis type 3 (GM1G3) and mucopolysaccharidosis type 4B (MPS4B). GLB1 is synthesized as an 85-kDa precursor that is C-terminally processed into a 64-66 kDa mature form and the released ~20-kDa proteolytic fragment was thought to be degraded (PMID: 10744681). GLB1 has 3 isoforms with MW of 76 kDa, 73 kDa and 61 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Charles A Huard	37627641	Antioxidants (Basel)	IF

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.

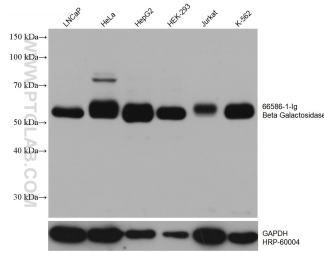
For technical support and original validation data for this product please contact:

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

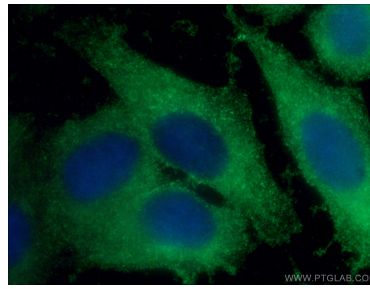
E: proteintech@ptglab.com
W: ptglab.com

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

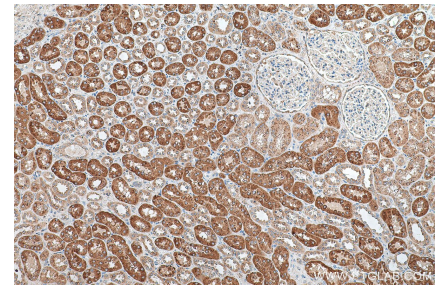
Données de validation sélectionnées



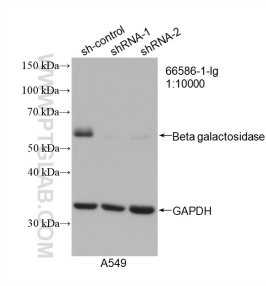
Various lysates were subjected to SDS PAGE followed by western blot with 66586-1-Ig (Beta Galactosidase antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66586-1-Ig (Beta galactosidase antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66586-1-Ig (Beta Galactosidase antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of Beta Galactosidase antibody (66586-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Beta Galactosidase transfected A549 cells.