

À des fins de recherche uniquement

Anticorps Monoclonal anti-Dystroglycan



Numéro de catalogue: 66735-1-Ig

Phare

1 Publications

Informations de base

Numéro de catalogue: 66735-1-Ig	Numéro d'acquisition GenBank: BC012740	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 1500 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 1605	CloneNo.: 2B1G12
Hôte: Mouse	Nom complet: dystroglycan 1 (dystrophin-associated glycoprotein 1)	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:2000-1:8000
Isotype: IgG1	MW calculé: 97 kDa	
Immunogen Catalog Number: AG27222	MW observés: 43 kDa, 30 kDa	

Applications

Applications testées:

FC, IHC, WB, ELISA

Demandes citées:

FC

Spécificité de l'espèce:

Humain, porc, rat, souris

Espèces citées:

Humain

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 A549, cellules HeLa, cellules HepG2, cellules NCI-H1299, tissu cérébral de porc, tissu cérébral de rat, tissu cérébral de souris

IHC : tissu cardiaque de souris, tissu cardiaque de rat, tissu de muscle squelettique de rat, tissu de muscle squelettique de souris

Informations générales

Dystroglycan, also known as DAG1 or DG, was originally isolated from skeletal muscle as an integral membrane component of the dystrophin-glycoprotein complex (DGC). In addition to skeletal muscle, dystroglycan is strongly expressed in heart and smooth muscle, as well as many non-muscle tissues including brain and peripheral nerve (PMID: 12556455). The dystroglycan is involved in a number of processes including laminin and basement membrane assembly, sarcolemmal stability, cell survival, peripheral nerve myelination, nodal structure, cell migration, and epithelial polarization. Dystroglycan consists of two subunits (alpha and beta), which are translated from a single mRNA as a propeptide that is proteolytically cleaved into two noncovalently associated proteins (PMID: 16410545). Alpha-dystroglycan is a 156-kDa extracellular peripheral glycoprotein, while beta-dystroglycan is a 43-kDa transmembrane protein (PMID: 9858474). The 43-kDa beta-dystroglycan can be cleaved into a ~30-kDa form (PMID: 14678802; 18458097; 17255331).

Publications notables

Autrice	Pubmed ID	Journal	Application
Nicolás Sarute	32719120	Proc Natl Acad Sci U S A	FC

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.

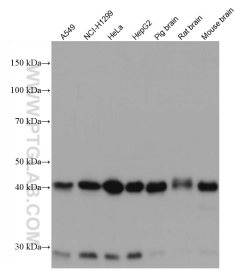
For technical support and original validation data for this product please contact:

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

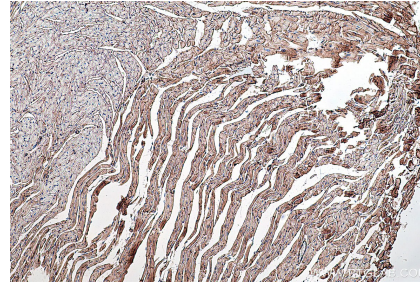
E: proteintech@ptglab.com
W: ptglab.com

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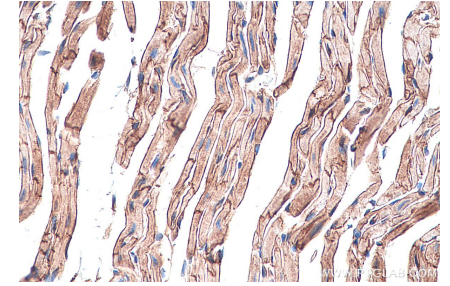
Données de validation sélectionnées



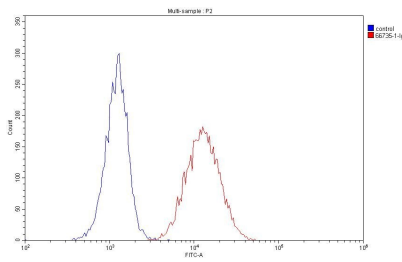
Various lysates were subjected to SDS PAGE followed by western blot with 66735-1-Ig (Dystroglycan antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 66735-1-Ig (Dystroglycan antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 66735-1-Ig (Dystroglycan antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1×10^6 HeLa cells were stained with 0.20ug Dystroglycan antibody (66735-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.