

Dystroglycan Monoklonaler Antikörper

Katalog-Nr.: **66735-1-Ig**

Vorgestelltes Produkt

1 Publikationen

Allgemeine Informationen

Katalog-Nr.:	66735-1-Ig	GenBank-Zugangsnummer:	BC012740	Reinigungsmethode:	Protein-A-Reinigung
Größe:	150ul , Konzentration: 1500 µg/ml von 1605	GenID (NCBI):		CloneNo.:	2B1G12
	Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	Vollständiger Name:	dystroglycan 1 (dystrophin-associated glycoprotein 1)	Empfohlene Verdünnungen:	WB 1:5000-1:50000 IHC 1:2000-1:8000
Wirt:	Maus	Berechneté Masse:	97 kDa		
Istotyp:	IgG1	Beobachteté Masse:	43 kDa, 30 kDa		
Immunogen Katalognummer:	AG27222				

Anwendungen

Geprüfte Anwendungen:	Positivkontrollen:
FC, IHC, WB, ELISA	WB : A549-Zellen, Hausschwein-Hirngewebe, HeLa-Zellen, HepG2-Zellen, Maushirngewebe, NCI-H1299-Zellen, Rattenhirngewebe
In Publikationen genannte Anwendungen:	IHC : Mausherzgewebe, Maus-Skelettmuskelgewebe, Rattenherzgewebe, Ratten-Skelettmuskelgewebe
FC	
Getestete Reaktivität:	
Hausschwein, Human, Maus, Ratte	
Zitierte Arten:	
Human	
Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

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).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Nicolás Sarute	32719120	Proc Natl Acad Sci U S A	FC

Lagerung

Lagerungsbedingungen:
 Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
 Lagerungspuffer:
 PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
 Aliquotieren ist nicht notwendig bei -20°C lagerung

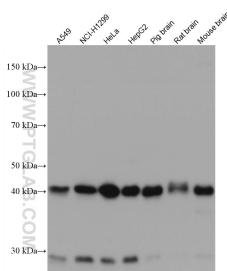
*** 20ul-Größen enthalten 0.1% BSA

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)

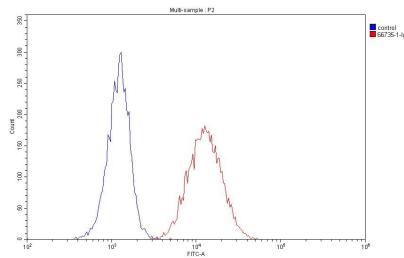
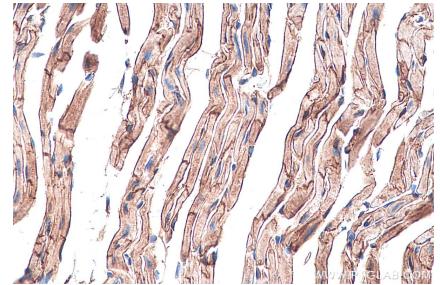
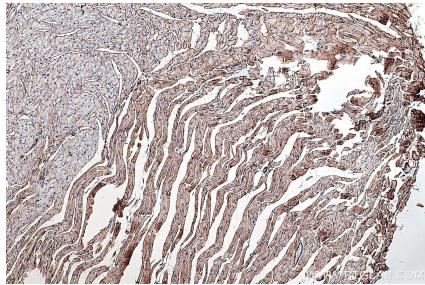
E: proteintech@ptglab.com
 W: ptglab.com

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Ausgewählte Validierungsdaten



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.



1X10⁶ HeLa cells were stained with 0.20ug Dystroglycan antibody (66735-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.