

Product Name: KD-Validated Dystroglycan 1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01142

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 97.4kDa

Antigen Information

Gene Name	DAG1
Alternative Names	DAG1; Dystroglycan 1; 156DAG; AGRNR; A3a; DAG; Dystroglycan 1 (Dystrophin-Associated Glycoprotein 1); Dystrophin-Associated Glycoprotein-1; Dystrophin-Associated Glycoprotein 1; Alpha-Dystroglycan; Beta-Dystroglycan; Dystroglycan; LGMDR16; MDDGA9; MDDGC7; MDDGC9
Gene ID	1605.0
SwissProt ID	Q14118
Immunogen	A synthesized peptide derived from human beta Dystroglycan

Background

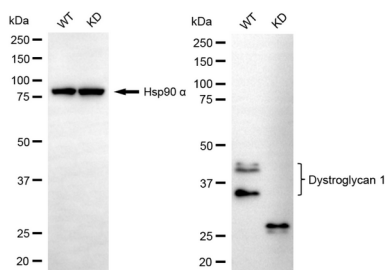
This gene encodes dystroglycan, a central component of dystrophin-glycoprotein complex that links the extracellular matrix

and the cytoskeleton in the skeletal muscle. The encoded preprotein undergoes O- and N-glycosylation, and proteolytic processing to generate alpha and beta subunits. Certain mutations in this gene are known to cause distinct forms of muscular dystrophy. Alternative splicing results in multiple transcript variants, all encoding the same protein. [provided by RefSeq, Nov 2015]

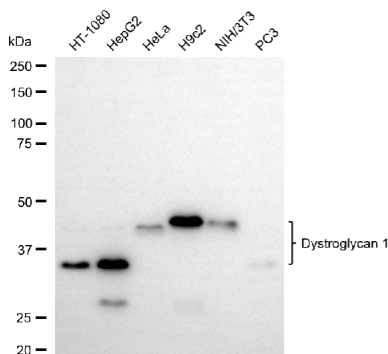
Research Area

Cancer

Image Data



Western blotting analysis using dystroglycan 1 antibody (KVA01142). Dystroglycan 1 expression in wild-type (WT) and dystroglycan 1 (DAG1) knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with dystroglycan 1 antibody (KVA01142, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using dystroglycan 1 antibody (KVA01142). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with dystroglycan 1 antibody (KVA01142, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.