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anti-Dystroglycan antibody (Internal Region)

3 Images



Overview

Quantity:	100 μg
Target:	Dystroglycan (DAG1)
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Dystroglycan antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

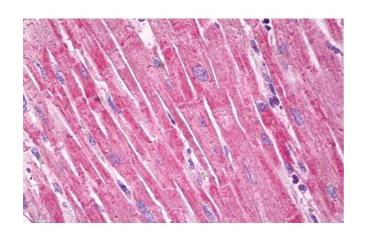
Purpose:	DAG1
Immunogen:	C-HVGKHEYFMHATDK
Sequence:	HVGKHEYFMH ATDK
Isotype:	IgG
Specificity:	This antibody is expected to recognize both the precursor and the mature alpha-dystroglycan, but not the mature beta-dystroglycan.
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details Grade: Verified **Target Details** Dystroglycan (DAG1) Target: DAG1 (DAG1 Products) Alternative Name Background: DAG1, dystroglycan 1 (dystrophin-associated glycoprotein 1), 156DAG, A3a, AGRNR, DAG, alpha-dystroglycan, beta-dystroglycan, dystroglycan 1 Gene ID: 1605 NCBI Accession: NP_004384 Pathways: Maintenance of Protein Location, Regulation of Carbohydrate Metabolic Process, Protein targeting to Nucleus **Application Details** Application Notes: Immunohistochemistry: Paraffin embedded Human Heart. Recommended concentration: 5 µ g/mL. Western Blot: Approx 100 kDa band observed in Human Skeletal Muscle lysates (calculated MW of 97.4 kDa according to Human NP_004384.4). Recommended concentration: 0.1-0.3 μ g/mL. Primary incubation 1 hour at room temperature. Peptide ELISA: antibody detection limit dilution 1:128000. Comment: Immunofluorescence: Strong expression of the protein seen in the ER and cytoplasm of HeLa and U2OS cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentr Restrictions: For Research Use only Handling Format: Liquid Concentration: 0.5 mg/mL Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

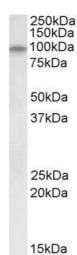
	should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



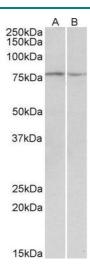
Immunohistochemistry

Image 1. ABIN571179 (5µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.



Western Blotting

Image 2. ABIN571179 (0.2 μ g/ml) staining of Human Skeletal Muscle lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



Western Blotting

Image 3. ABIN571179 (0.1 μ g/ml) staining of Mouse and Rat Skeletal Muscle lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.