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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB10102 - Goat Anti-DAG1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 156DAG, A3a, AGRNR, alpha-dystroglycan, beta-dystroglycan, DAG, dystroglycan 1, dystroglycan 1 (dystrophin-associated glycoprotein 1), DAG1

Official Symbol: DAG1

Accession Number(s): NP_004384.4

Human GeneID(s): [1605](#)

Important Comments: This antibody is expected to recognize both the precursor and the mature alpha-dystroglycan, but not the mature beta-dystroglycan.

Immunogen

Peptide with sequence C-HVGKHEYFMHATDK, from the internal region of the protein sequence according to NP_004384.4.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 100kDa band observed in Human Skeletal Muscle lysates (calculated MW of 97.4kDa according to NP_004384.4). Approx 80kDa band observed in Mouse and Rat Skeletal Muscle lysates (calculated MW of 96.9kDa according to NP_034147.1). The observed molecular weights correspond to the glycosylated form of alpha-dystroglycan. Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow

EB010102 (0.2µg/ml) staining of Human Skeletal Muscle lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB010102 (0.1µg/ml) staining of Mouse and Rat Skeletal Muscle lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.