

DNAxPAb

Hard-to-Find  
Antibody

## DAG1 DNAxPab

Catalog # H00001605-W01P

Size 200 ug

### Specification

|                         |                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------|
| Product Description     | Rabbit polyclonal antibody raised against a partial-length human DAG1 DNA using DNAx™ Immune technology. |
| Technology              | <a href="#">DNAx™ Immune</a>                                                                             |
| Immunogen               | Extracellular membrane domain (ECD) human DNA                                                            |
| Host                    | Rabbit                                                                                                   |
| Reactivity              | Human                                                                                                    |
| Purification            | Protein A                                                                                                |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                                                  |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                                        |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                 |

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

### Gene Info — DAG1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">1605</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| GeneBank Accession# | <a href="#">BC012740</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Protein Accession#  | <a href="#">AAH12740</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Name           | DAG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Alias          | 156DAG, A3a, AGRNR, DAG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Description    | dystroglycan 1 (dystrophin-associated glycoprotein 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Omim ID             | <a href="#">128239</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Summary        | Dystroglycan is a laminin binding component of the dystrophin-glycoprotein complex which provides a linkage between the subsarcolemmal cytoskeleton and the extracellular matrix. Dystroglycan 1 is a candidate gene for the site of the mutation in autosomal recessive muscular dystrophies. The dramatic reduction of dystroglycan 1 in Duchenne muscular dystrophy leads to a loss of linkage between the sarcolemma and extracellular matrix, rendering muscle fibers more susceptible to necrosis. Dystroglycan also functions as dual receptor for agrin and laminin-2 in the Schwann cell membrane. The muscle and nonmuscle isoforms of dystroglycan differ by carbohydrate moieties but not protein sequence. Alternative splicing results in multiple transcript variants |
| Other Designations  | alpha-dystroglycan beta-dystroglycan dystroglycan 1 dystrophin-associated glycoprotein-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [ECM-receptor interaction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

## Disease

- [Bronchopulmonary Dysplasia](#)
- [Cardiovascular Diseases](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)