DAG1 Rabbit pAb

CatalogNo: YN0019

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,ELISA

MW
- 98kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000
ELISA 1:5000-20000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol,0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human protein . at AA range: 830-910
Specificity	DAG1 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name	DAG1

Protein Name Dystroglycan (Dystrophin-associated glycoprotein 1) [Cleaved into: Alpha-dystroglycan (Alpha-DG); Beta-dystroglycan (Beta-DG)]

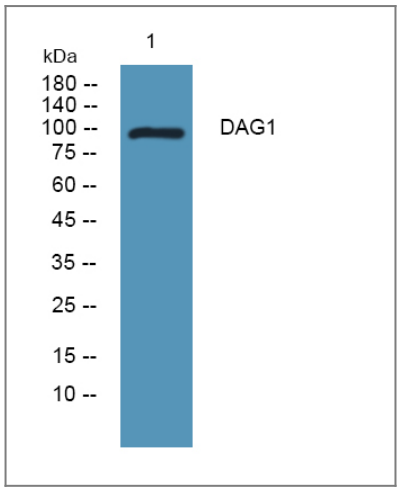
Organism	Gene ID	UniProt ID
Human	1605;	Q14118;
Mouse		Q62165;

Cellular Localization [Alpha-dystroglycan]: Secreted, extracellular space.; [Beta-dystroglycan]: Cell membrane ; Single-pass type I membrane protein. Cytoplasm, cytoskeleton. Nucleus, nucleoplasm . Cell membrane, sarcolemma . Cell junction, synapse, postsynaptic cell membrane . The monomeric form translocates to the nucleus via the action of importins and depends on RAN. Nuclear transport is inhibited by Tyr-892 phosphorylation. In skeletal muscle, this phosphorylated form locates to a vesicular internal membrane compartment. In muscle cells, sarcolemma localization requires the presence of ANK2, while localization to costameres requires the presence of ANK3. Localizes to neuromuscular junctions (NMJs) in the presence of ANK2 (By similarity). In peripheral nerves, localizes to the Schwann cell membrane. Colocalizes with ERM proteins in Schwann-cell microvilli. .

Tissue specificity Expressed in a variety of fetal and adult tissues. In epidermal tissue, located to the basement membrane. Also expressed in keratinocytes and fibroblasts.

Function Function:Forms part of the dystrophin-associated protein complex (DAPC) which may link the cytoskeleton to the extracellular matrix. Alpha-dystroglycan functions as a laminin receptor. Binds to several types of arenaviruses. Is a target for the entry of Mycobacterium leprae into peripheral nerve Schwann cells.,online information:Dystroglycan entry,similarity:Contains 1 peptidase S72 domain.,subunit:Interacts with SGCD (By similarity). Interacts with AGR2 and AGR3.,tissue specificity:Expressed in a variety of fetal and adult tissues.,

Validation Data



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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