# Dystrophin Rabbit mAb

Catalog No: #49412

Package Size: #49412-1 50ul #49412-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

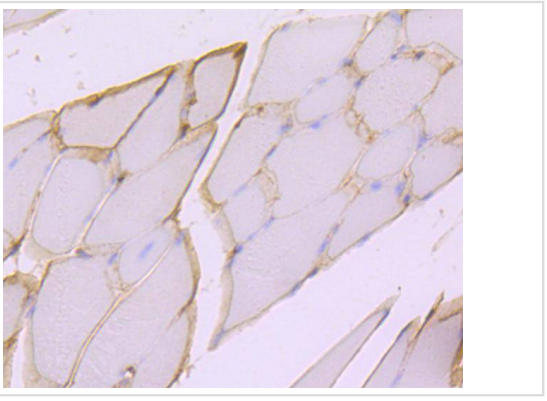
## Description

| | |
|---|---|
| Product Name | Dystrophin Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal antibody |
| Clone No. | JF1-022 |
| Purification | ProA affinity purified |
| Applications | WB, IHC |
| Species Reactivity | Hu, Ms, Rt |
| Immunogen Description | recombinant protein |
| Other Names | BMD antibody CMD3B antibody DMD antibody DMD_HUMAN antibody Duchenne muscular dystrophy protein antibody Dystrophin antibody Muscular dystrophy Duchenne and Becker types antibody |
| Accession No. | Swiss-Prot#:P11532 |
| Uniprot | P11532 |
| GeneID | 1756; |
| Calculated MW | 427 kDa |
| Formulation | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide. |
| Storage | Store at -20°C |

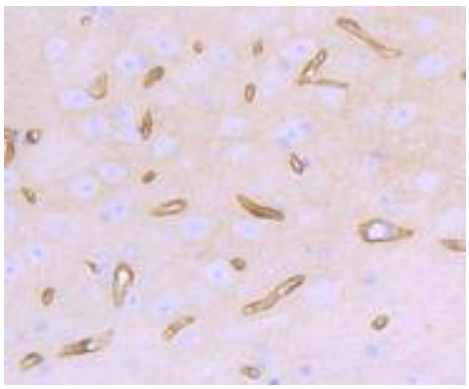
## Application Details

WB: 1:1,000IHC: 1:50-1:200

## Images



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue using anti-Dystrophin antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Dystrophin antibody. Counter stained with hematoxylin.

## Background

Dystrophin-glycoprotein complex (DGC) connects the F-Actin cytoskeleton on the inner surface of muscle fibers to the surrounding extracellular matrix, through the cell membrane interface. A deficiency in this protein contributes to Duchenne (DMD) and Becker (BMD) muscular dystrophies. The human dystrophin gene measures 2.4 megabases, has more than 80 exons, produces a 14 kb mRNA and contains at least eight independent tissue-specific promoters and two poly A sites. The dystrophin mRNA can undergo differential splicing and produce a range of transcripts that encode a large set of proteins. Dystrophin represents approximately 0.002% of total striated muscle protein and localizes to triadic junctions in skeletal muscle, where it is thought to influence calcium ion homeostasis and force transmission.

## References

Note: This product is for in vitro research use only