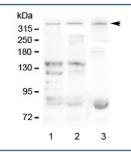


Dystrophin Antibody (R31689)

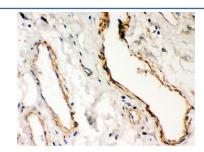
Catalog No.	Formulation	Size
R31689	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

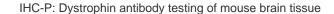
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	1756
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This Dystrophin antibody is available for research use only.



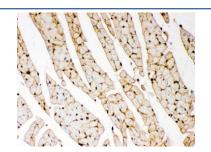
Western blot testing of 1) human HEK293, 2) human K562 and 3) mouse HEPA1-6 lysate with Dystrophin antibody at 0.5ug/ml. Predicted molecular weight ~427 kDa.



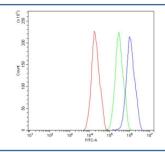
IHC-P: Dystrophin antibody testing of human lung cancer tissue







IHC-P: Dystrophin antibody testing of rat heart tissue



Flow cytometry testing of human HepG2 cells with Dystrophin antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Dystrophin antibody.

Description

Dystrophin, also known as DMD, is a rod-shaped cytoplasmic protein, and a vital part of a protein complex that connects the cytoskeleton of a muscle fiber to the surrounding extracellular matrix through the cell membrane. It is mapped to Xp21.2-p21.1. This complex is variously known as the costamere or the dystrophin-associated protein complex. Many muscle proteins, such as alpha-dystrobrevin, syncoilin, synemin, sarcoglycan, dystroglycan, and sarcospan, colocalize with Dystrophin at the costamere. Dystrophin is a protein located between the sarcolemma and the outermost layer of myofilaments in the muscle fiber (myofiber). It is a cohesive protein, linking actin filaments to another support protein that resides on the inside surface of each muscle fiber's plasma membrane (sarcolemma).

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Dystrophin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 3076-3404) was used as the immunogen for this Dystrophin antibody.

Storage

After reconstitution, the Dystrophin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.