

ARG44877 anti-Nebulin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Nebulin
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	Nebulin
Species	Human
Epitope	VEYYTEEVVY EEVPGETITK IYETTTTSTS DYEQSETSKP ALAQPALAQP ASAKPVERRK VIRKKVDPSK FMTPYIAHSQ KMQDLFSPNK YKEKFEKTKG QPYASTTDP ELRRIKKVQD QLSEVKYRMD GDVAKTICHV DEKAKDIEHA KVSQVSKV LYKQNWEDTK DKYLLPPDAP ELVQAVKNTA MFSKKLYTED WEADKSLFYP YNDSPELRRV AQAQKALSDV AYKKGAEQQ AQFTPLADPP DIEFAKKVTN QVSKQKYKED YENKIKGKWS ETPCFEVANA RMNADNISTR KYQEDFENMK DQYFMQTET PEYKMNKKAG VAASKVKYKE
Conjugation	Un-conjugated
Alternate Names	NEB; Nebulin; NEB177D; Nemaline Myopathy Type 2; NEM2; AMC6

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

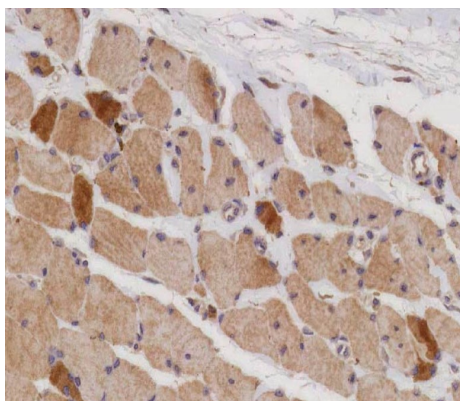
Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Preservative	0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NEB
Gene Full Name	Nebulin
Background	<p>This gene encodes nebulin, a giant protein component of the cytoskeletal matrix that coexists with the thick and thin filaments within the sarcomeres of skeletal muscle. In most vertebrates, nebulin accounts for 3 to 4% of the total myofibrillar protein. The encoded protein contains approximately 30-amino acid long modules that can be classified into 7 types and other repeated modules. Protein isoform sizes vary from 600 to 800 kD due to alternative splicing that is tissue-, species-, and developmental stage-specific. Of the 183 exons in the nebulin gene, at least 43 are alternatively spliced, although exons 143 and 144 are not found in the same transcript. Of the several thousand transcript variants predicted for nebulin, the RefSeq Project has decided to create three representative RefSeq records. Mutations in this gene are associated with recessive nemaline myopathy. [provided by RefSeq, Sep 2009]</p>
Function	<p>This giant muscle protein may be involved in maintaining the structural integrity of sarcomeres and the membrane system associated with the myofibrils. Binds and stabilize F-actin. [Uniprot]</p>
Cellular Localization	<p>Cytoplasm, Cytoskeleton. [Uniprot]</p>

Images



ARG44877 anti-Nebulin antibody IHC-P image

Immunohistochemistry: Human skeletal muscle stained with ARG44877 anti-Nebulin antibody at 5 µg/mL dilution.