abcam

Product datasheet

Anti-MUSK antibody ab55549

1 Image

Overview

Product name	Anti-MUSK antibody
Description	Mouse monoclonal to MUSK
Host species	Mouse
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment: ISIAEWSKPQ KDNKGYCAQY RGEVCNAVLA KDALVFLNTS YADPEEAQEL LVHTAWNELK VVSPVCRPAA EALLCNHIFQ ECSPGVVPTP IPICREYCLA , corresponding to amino acids 301-400 of Human MUSK Run BLAST with ExPASy Run BLAST with NCBI
General notes	Abcam is committed to meeting high standards of ethical manufacturing and as such, we will be discontinuing this product, which has been generated by the ascites method, within the next year. We are sorry for any inconvenience this may cause. If you would like help finding an alternative product, please do not hesitate to contact our scientific support team.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Isotype	IgG2a
Light chain type	kappa

Applications

Our Abpromise guarantee covers the use of **ab55549** in the following tested applications.

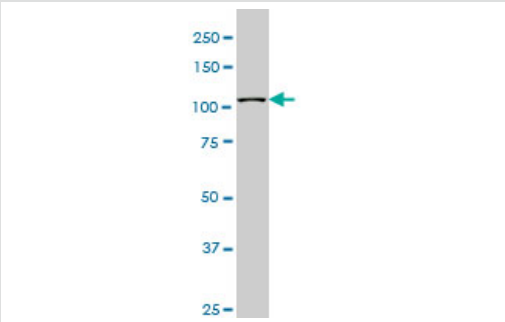
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 97 kDa.

Target

Function	Receptor tyrosine kinase that is a key mediator of agrin's action and is involved in neuromuscular junction (NMJ) organization.
Involvement in disease	Defects in MUSK is a cause of congenital myasthenic syndrome with acetylcholine receptor deficiency (CMS-ACHRD) [MIM:608931]. A post-synaptic congenital myasthenic syndrome. Mutations underlying AChR deficiency cause a 'loss of function' and show recessive inheritance. Note=MUSK mutations lead to decreased agrin-dependent AChR aggregation, a critical step in the formation of the neuromuscular junction.
Sequence similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. Contains 1 FZ (frizzled) domain. Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 protein kinase domain.
Post-translational modifications	Ubiquitinated by PDZRN3. Ubiquitination promotes endocytosis and lysosomal degradation.
Cellular localization	Membrane.

Images



Western blot - Anti-MUSK antibody (ab55549)

MUSK antibody (ab55549) at 1ug/lane +
Jurkat cell lysate at 25ug/lane.

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