

Rabbit MuSK Polyclonal Antibody | anti-MuSK antibody

Phospho-MuSK (Tyr755) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328289	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MuSK; Polyclonal Antibody; Phospho-MuSK (Tyr755) Antibody; CMS9; FADS; MDK 4; MDK4; MGC126323; MGC126324; Muscle; Muscle associated receptor tyrosine kinase; Muscle skeletal receptor tyrosine kinase; Muscle skeletal receptor tyrosine protein kinase; Muscle specific kinase receptor; Muscle specific tyrosine kinase receptor; Muscle specific tyrosine protein kinase receptor; Muscle-specific kinase receptor; Muscle-specific tyrosine-protein kinase receptor; MUSK_HUMAN; Neural fold somite kinase 1; Neural fold somite kinase 2; Neural fold somite kinase 3; Neural fold somite kinase1; Neural fold somite kinase2; Neural fold somite kinase3; Nsk 1; Nsk 2; Nsk 3; Nsk1; Nsk2; Nsk3; Receptor tyrosine kinase MuSK; Skeletal muscle receptor tyrosine kinase; skeletal receptor tyrosine-protein kinase; anti-MuSK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-MuSK (Tyr755) Antibody detects endogenous levels of MuSK only when phosphorylated at Tyr755.
Purity/Purification	Peptide affinity purification
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	783
Applicable Applications for anti-MuSK antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MuSK around the phosphorylation site of Tyr755.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from JK, using Phospho-MuSK (Tyr755) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.



IHC (Immunohistochemistry)

at 1/100 staining rat brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary Ab.

ADDITIONAL INFORMATION

Related Product Information for anti-MuSK antibody	Receptor tyrosine kinase which plays a central role in the formation and the maintenance of the neuromuscular junction (NMJ), the synapse between the motor neuron and the skeletal muscle. Recruitment of AGRIN by LRP4 to the MUSK signaling complex induces phosphorylation and activation of MUSK, the kinase of the complex. The activation of MUSK in myotubes regulates the formation of NMJs through the regulation of different processes including the specific expression of genes in subsynaptic nuclei, the reorganization of the actin cytoskeleton and the clustering of the acetylcholine receptors (AChR) in the postsynaptic membrane. May regulate AChR phosphorylation and clustering through activation of ABL1 and Src family kinases which in turn regulate MUSK.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	261878455
NCBI GeneID	4593
NCBI Accession #	NP_001159752.1
NCBI GenBank Nucleotide #	NP_001159752.1
UniProt Accession #	O15146
Molecular Weight	97 kDa
NCBI Official Full Name	muscle, skeletal receptor tyrosine-protein kinase isoform 2
NCBI Official Synonym Full Names	muscle associated receptor tyrosine kinase
NCBI Official Symbol	MUSK
NCBI Official Synonym Symbols	CMS9; FADS; FADS1
NCBI Protein Information	muscle, skeletal receptor tyrosine-protein kinase
UniProt Protein Name	Muscle, skeletal receptor tyrosine-protein kinase
UniProt Gene Name	MUSK
UniProt Synonym Gene Names	MuSK
UniProt Entry Name	MUSK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/musk-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328289>