

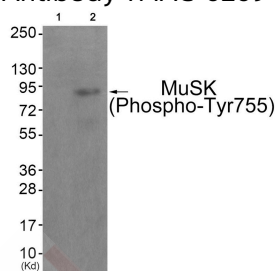
Anti-Phospho-MUSK (Tyr755) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Actual: 97 kDa.
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Applications

Verified Activity: 1. Western blot analysis of extracts from JK cells (Lane 2), using MuSK (Phospho-Tyr755) Antibody TMAC-02694. The lane on the left is treated with antigen-specific peptide.



Application:	WB
Recommended	WB: 1:500-1000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 755(A-D-Y(p)-Y-K) derived from Human MuSK
Antigen Species:	Human
Uniprot ID:	O15146
Synonyms:	MUSK (p-Tyr755);p-MUSK (Tyr755);MUSK (p-Y755);p-MUSK (Y755)

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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