

Product datasheet for **AP26453PU-N**

MUSK pTyr755 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of tyrosine 755(A-D-Y(p)-Y-K) derived from Human MuSK (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of MuSK only when phosphorylated at tyrosine 755.
Formulation:	Phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity-chromatography using epitope-specific phosphopeptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	97 kDa
Gene Name:	muscle associated receptor tyrosine kinase
Database Link:	Entrez Gene 4593 Human O15146



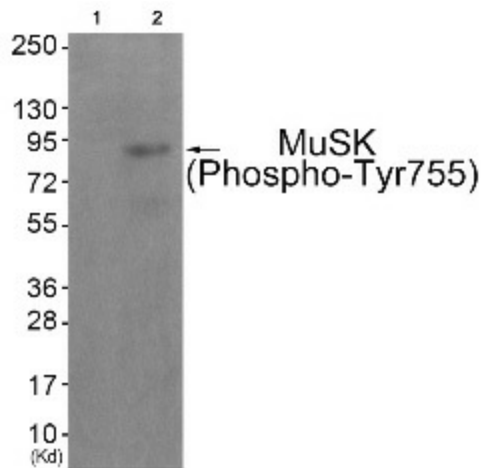
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Background:

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.

Synonyms:

Muscle-specific kinase receptor

Product images:

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