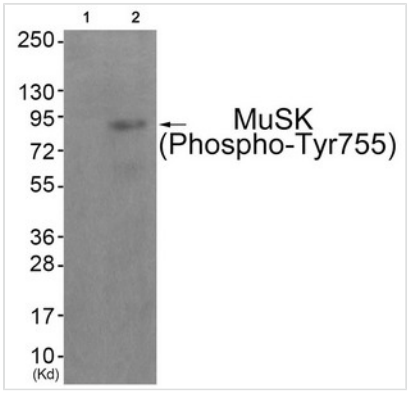
Phospho-MUSK (Tyr755) Antibody

Product Code	CSB-PA204567
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	O15146
Immunogen	Peptide sequence around phosphorylation site of tyrosine 755(A-D-Y(p)-Y-K) derived from Human MuSK .
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of MuSK only when phosphorylated at tyrosine 755.
Tested Applications	ELISA,WB;WB:1:500-1:1000
Relevance	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. Valenzuela D.M., Neuron 15:573-584(1995). Humphray S.J., Nature 429:369-374(2004). Bergamin E., Mol. Cell 39:100-109(2010).
Form	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	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 chromatogramphy usi
Clonality	Polyclonal
Alias	MUSK; Muscle; skeletal;
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	MUSK
Image	



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.

Product Modify	Phospho-Tyr755