



# MuSK (phospho Tyr755) Polyclonal Antibody

<b>Catalog No</b>	BYab-13016
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA;IHC
<b>Gene Name</b>	MUSK
<b>Protein Name</b>	Muscle, skeletal receptor tyrosine-protein kinase
<b>Immunogen</b>	Synthesized phospho-peptide around the phosphorylation site of human MuSK (phospho Tyr755)
<b>Specificity</b>	Phospho-MuSK (Y755) Polyclonal Antibody detects endogenous levels of MuSK protein only when phosphorylated at Y755.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	MUSK; Muscle; skeletal receptor tyrosine-protein kinase; Muscle-specific tyrosine-protein kinase receptor; MuSK; Muscle-specific kinase receptor
<b>Observed Band</b>	97kD
<b>Cell Pathway</b>	Cell junction, synapse, postsynaptic cell membrane ; Single-pass type I membrane protein . Colocalizes with acetylcholine receptors (AChR) to the postsynaptic cell membrane of the neuromuscular junction. .
<b>Tissue Specificity</b>	
<b>Function</b>	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,disease:Defects in MUSK is a cause of autosomal recessive congenital myasthenic syndrome (CMS) [MIM:608931]. Congenital myasthenic syndromes are inherited disorders of neuromuscular transmission that stem from mutations in presynaptic, synaptic, or postsynaptic proteins. MUSK mutations lead to decreased agrin-dependent AChR aggregation, a critical step in the formation of the neuromuscular junction.,function:Receptor tyrosine kinase that is a key mediator of agrin's action and is involved in neuromuscular junction (NMJ) organization.,online information:MuSK entry,similarity:Belongs to the protein

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kinase superfamily. Tyr protein kinase family.,similarity:Contains 1 FZ (frizzled) domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,s

**Background**

This gene encodes a muscle-specific tyrosine kinase receptor. The encoded protein may play a role in clustering of the acetylcholine receptor in the postsynaptic neuromuscular junction. Mutations in this gene have been associated with congenital myasthenic syndrome. Alternatively spliced transcript variants have been described.[provided by RefSeq, Oct 2009],

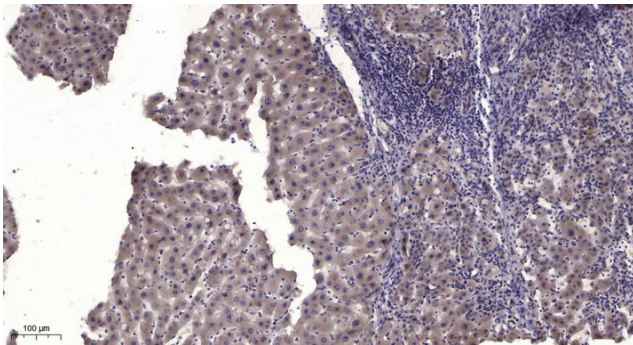
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).