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Product Datasheet

Myosin phospho S19/phospho S20 Antibody, Unconjugated, Rabbit, Polyclonal Preis auf Anfrage BYT-ORB345406

Article Name	Myosin phospho S19/phospho S20 Antibody, Unconjugated, Rabbit, Polyclonal Preis auf Anfrage
Biozol Catalog Number	BYT-ORB345406
Supplier Catalog Number	orb345406
Alternative Catalog Number	BYT-ORB345406-100
Manufacturer	Biorbyt
Host	Rabbit
Category	Antikörper
Application	ELISA, IHC, IP, WB
Species Reactivity	Human, Mouse
Immunogen	Human Myosin Light Chain phospho peptide corresponding to a region near the amino terminus of the human smooth/non-muscle form of myosin regulatory light chain conjugated to Keyhole Limpet Hemocyanin (KLH).
Conjugation	Unconjugated
Product Description	Myosin phospho S19 antibody...
Clonality	Polyclonal
Concentration	1.19 mg/mL
NCBI	16372

UniProt	P19105
Buffer	Preservative: 0.01% (w/v) Sodium Azide. Stabilizer: None, Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Purity	This affinity purified antibody is directed against the regulatory light chain of smooth and non-muscle myosin. The antibody is phosphospecific and detects monophosphorylated and diphosphorylated forms of the protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. Antiserum was first purified against the phosphorylated form of the immunizing peptide. The resultant affinity purified antibody was then cross-adsorbed against the non-phosphorylated form of the immunizing peptide. This phosphospecific polyclonal antibody is specific for the phosphorylated pS19/pS20 form of the protein, depending on the source origin of the protein. Reactivity with non-phosphorylated myosin light chain is less than 1% by ELISA. Cross reactivity is expected with myosin light chain from human and mouse. Reactivity with the protein from other species has not been determined. However, the sequence of the immunogen is nearly identical in mammalian and avian species. BLAST search analysis was used to determine that the smooth and non-muscle forms of myosin regulatory light chain have identical sequences. Cross reactivity is expected.
Form	Liquid (sterile filtered)
Application Dilute	ELISA: 1:10,000 - 1:30,000, IHC: 2.5 µg/ml, IP: 1:100, WB: 1:500 - 1:2,000
Application Notes	Application Notes: Rabbit Anti-Myosin pS19/pS20 Antibody was tested by ELISA, immunohistochemistry, and western blotting. Immunoblotting was used to show reactivity with unstimulated and stimulated cardiac myocytes, 3T3 whole cell lysates, and regulatory light chain and smooth muscle phospho recombinant protein. The antibody was also reactive with the phosphorylated form of the immunizing peptide and minimally reactive with the non-phosphorylated form of the immunizing peptide. Although not tested, this antibody is likely functional by immunoprecipitation