

**bs-8311R****[ Primary Antibody ]****phospho-MYL12B (Thr19 + Ser20) Rabbit pAb**

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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 103910	<b>SWISS:</b> O14950	<b>IF</b> (1:100-500)
<b>Target:</b> MYL12B (Thr19 + Ser20)		<b>ICC/IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthesised phosphopeptide derived from human Mylc2b around the phosphorylation site of Thr19 + Ser20: RA(p-T)(p-S)N.		<b>ELISA</b> (1:5000-10000)
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> (predicted: Human, Mouse, Rat, Pig, Cow, Chicken, Dog, Horse, Danio)
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 18 kDa
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		<b>Subcellular Location:</b> Cytoplasm
<b>Background:</b> The activity of nonmuscle myosin II (see MYH9; MIM 160775) is regulated by phosphorylation of a regulatory light chain, such as MRLC2. This phosphorylation results in higher MgATPase activity and the assembly of myosin II filaments (Iwasaki et al., 2001 [PubMed 11942626]).[supplied by OMIM, Mar 2008]		

**— SELECTED CITATIONS —**

- **[IF=4]** Tang Shuai. et al. Effects of Saccharomyces boulardii on microbiota composition and metabolite levels in the small intestine of constipated mice. BMC MICROBIOL. 2024 Dec;24(1):1-13 WB ;Mouse. 39578737