



# Mouse anti-Human MYOZ2 monoclonal antibody, clone 2E5 (CABT-B9481)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	MYOZ2 (AAH05195, 1 a.a. ~ 264 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2a, κ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	2E5
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, WB
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	PBS, pH 7.4
<b>Preservative</b>	no preservative
<b>Storage</b>	-20°C, Avoid Freeze/Thaw Cycles

## BACKGROUND

**Introduction** The protein encoded by this gene belongs to a family of sarcomeric proteins that bind to

calcineurin, a phosphatase involved in calcium-dependent signal transduction in diverse cell types. These family members tether calcineurin to alpha-actinin at the z-line of the sarcomere of cardiac and skeletal muscle cells, and thus they are important for calcineurin signaling. Mutations in this gene cause cardiomyopathy familial hypertrophic type 16, a hereditary heart disorder. [provided by RefSeq, Aug 2011]

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<b>Keywords</b>	MYOZ2; myozenin 2; CS-1; CMH16; C4orf5; myozenin-2; FATZ-related protein 2; muscle-specific protein; calcineurin-binding protein calsarcin-1;
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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">51778</a>
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<b>UniProt ID</b>	<a href="#">Q9NPC6</a>
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