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Datasheet for ABIN1386790 **anti-MYF5 antibody (pSer49)**

Overview

Quantity:	100 µL
Target:	MYF5
Binding Specificity:	pSer49
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYF5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human MYF5 around the phosphorylation site of Ser49
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Horse
Purification:	Purified by Protein A.

Target Details

Target:	MYF5
Alternative Name:	Myf5 (MYF5 Products)

Target Details

Background:	<p>Synonyms: Myf5 phospho S49, Myf5 phospho Ser49, p-Myf5phospho S49, p-Myf5phospho Ser49, Myf-5 bHLHc2, Class C basic helix loop helix protein 2, Class C basic helix-loop-helix protein 2, Myf 5, Myf-5, Myf5, MYF5_HUMAN, Myogenic factor 5.</p> <p>Background: Differentiation of myogenic cells is regulated by multiple positively and negatively acting factors. One well characterized family of helix-loop-helix (HLH) proteins known to play an important role in the regulation of muscle cell development include Myo D, myogenin, Myf-5 and Myf-6 (also designated MRF-4 or herculin). Of interest, most muscle cells express either Myo D or Myf-5 in the committed state, but when induced to differentiate, all turn on expression of myogenin. Myo D transcription factors form heterodimers with products of a more widely expressed family of bHLH genes, the E family, which consists of at least three distinct genes: E2A, IF2 and HEB. Myo D-E heterodimers bind avidly to consensus (CANNTG) E box target sites that are functionally important elements in the upstream regulatory sequences of many muscle-specific terminal differentiation genes.</p>
Gene ID:	4617
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months