



# Rabbit Anti-Human MYOG Monoclonal Antibody, clone CQ7248 (CABT-Z289R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide corresponding to residues within aa100 to aa200 of Myogenin was used as an immunogen.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	CQ7248
<b>Purification</b>	ProA affinity purified IgG.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P Recommended concentration: IHC-P: 1:100-1:200
<b>Molecular Weight</b>	32 kDa
<b>Cellular Localization</b>	Nucleus
<b>Positive Control</b>	Embryonal Rhabdomyosarcoma (ERMS)
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl

<b>Buffer</b>	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
<b>Preservative</b>	0.01% Sodium azide
<b>Storage</b>	Store at -20 °C. Avoid freeze/thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	<p>Myogenin belongs to a family of regulatory proteins essential for muscle development. Myogenin is expressed on cells of skeletal muscle origin, and appears to be inversely related to the degree of cellular differentiation.</p> <p>The antibody is a useful aid for classification of rhabdomyosarcomas and Wilms' tumors. No reactivity with Ewing's sarcoma/peripheral primitive neuroectodermal tumor, neuroblastoma, or adult skeletal muscle has been observed.</p>
<b>Keywords</b>	MYOG; myogenin (myogenic factor 4); MYF4; myf-4; bHLHc3; myogenin; myogenic factor 4; class C basic helix-loop-helix protein 3;

## GENE INFORMATION

<b>Gene Name</b>	MYOG
<b>Entrez Gene ID</b>	<a href="#">4656</a>
<b>UniProt ID</b>	<a href="#">P15173</a>