



# 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>	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. 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.
<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>