



Anti-MYOG (C-terminal) polyclonal antibody (DPAB-DC1988)

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

PRODUCT INFORMATION

Antigen Description	Myogenin is a muscle-specific transcription factor that can induce myogenesis in a variety of cell types in tissue culture. It is a member of a large family of proteins related by sequence homology, the helix-loop-helix (HLH) proteins. It is essential for the development of functional skeletal muscle.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human MYOG. The sequence is C-TDAHNLHSLTSIVD
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB (Tissue lysate), ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MYOG myogenin (myogenic factor 4) [Homo sapiens (human)]
Official Symbol	MYOG
Synonyms	MYOG; myogenin (myogenic factor 4); MYF4; myf-4; bHLHc3; myogenin; myogenic factor 4; class C basic helix-loop-helix protein 3;
Entrez Gene ID	4656
Protein Refseq	NP_002470
UniProt ID	P15173
Chromosome Location	1q31-q41
Pathway	CDO in myogenesis; Hypertrophy Model; Myogenesis;
Function	E-box binding; RNA polymerase II regulatory region sequence-specific DNA binding; RNA polymerase II transcription regulatory region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; chromatin DNA