

Product datasheet for **AP02653PU-S**

MYOD1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1/500-1/1000. Incubate membrane with diluted antibody in 5% nonfat milk, 1xTBS, 0.1% Tween-20 at 4°C with gentle shaking overnight.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around amino acids 198~202 (A-S-S-P-R) derived from Human MyoD.
Specificity:	This antibody detects endogenous levels of total MyoD protein.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	myogenic differentiation 1
Database Link:	Entrez Gene 4654 Human P15172
Background:	MyoD1 belongs to the basic helix-loop-helix family of transcription factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing cell cycle arrest, a prerequisite for myogenic initiation. MyoD1 is essential for repair of damaged tissue. It activates its own transcription which may stabilize commitment to myogenesis.
Synonyms:	MYF3, MYOD, Myoblast determination protein 1, Myogenic factor 3, BHLHC1



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Note: Molecular Weight: 40 kDa

Product images:

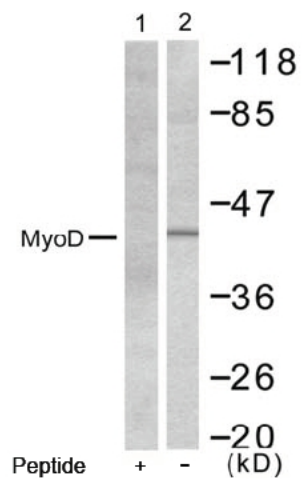


Figure 1. Western blot analysis of extract from HeLa cells using MyoD antibody. (Lane 2) and the same antibody preincubated with blocking peptide (Lane 1).