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Product datasheet for AP02375PU-S

MYOD1 pSer200 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Suitable for use in Western blot (1:500~1:1000).
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of serine 200 (A-S-S(p)-P-R) derived from Human MyoD
Specificity:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. The antibody detects endogenous levels of MyoD only when phosphorylated at serine 200.
Formulation:	PBS (without Mg2+ and Ca2+), 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.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	40 kDa
Gene Name:	myogenic differentiation 1
Database Link:	Entrez Gene 4654 Human P15172

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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

Product images:

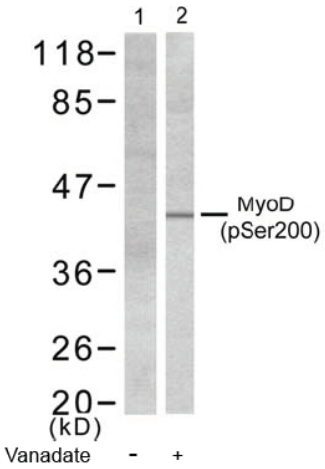

Figure 1. Western blot analysis of extract from HeLa cells, untreated or treated with vanadate (1 mg/ml, 30 min), using MyoD (phospho- Ser200) antibody.