

### 35-1473: Polyclonal Antibody to MyoD (Ab-200)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	MYOD1
<b>Gene ID :</b>	4654
<b>Uniprot ID :</b>	P15172
<b>Format :</b>	Purified
<b>Alternative Name :</b>	MYF3, MYOD, MYOD1
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around aa.198~202 (A-S-S-P-R) derived from Human MyoD.

#### Description

MyoD encodes a nuclear protein that 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. The protein is also involved in muscle regeneration. It activates its own transcription which may stabilize commitment to myogenesis.

#### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Predicted MW: 40kd, Western blotting: 1:500~1:1000

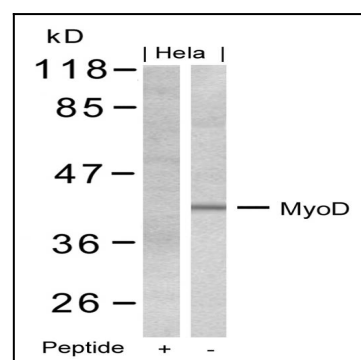


Figure 1: Western blot analysis of extracts from HeLa cells using MyoD (Ab-200) Antibody 35-1473 and the same antibody preincubated with blocking peptide.