

**Goat Anti-MYF5 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1703a****Specification**

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**Goat Anti-MYF5 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P13349</a>
Other Accession	<a href="#">NP_005584</a> , <a href="#">4617</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	28296

**Goat Anti-MYF5 Antibody - Additional Information****Gene ID** 4617**Other Names**

Myogenic factor 5, Myf-5, Class C basic helix-loop-helix protein 2, bHLHc2, MYF5, BHLHC2

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-MYF5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-MYF5 Antibody - Protein Information****Name** MYF5**Synonyms** BHLHC2**Function**

Transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation (PubMed:<a href="http://www.uniprot.org/citations/29887215" target="\_blank">29887215</a>). Together with MYOG and MYOD1, co-occupies muscle-specific gene promoter core region during myogenesis. Induces fibroblasts to differentiate into myoblasts. Probable sequence specific DNA-binding protein.

**Cellular Location**

Nucleus.

**Goat Anti-MYF5 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-MYF5 Antibody - Images**

AF1703a (0.5 µg/ml) staining of Muscle lysate (35 µg protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.

**Goat Anti-MYF5 Antibody - References**

DUX4c is up-regulated in FSHD. It induces the MYF5 protein and human myoblast proliferation. Anseau E, et al. PLoS One, 2009 Oct 15. PMID 19829708.

High-density association study of 383 candidate genes for volumetric BMD at the femoral neck and lumbar spine among older men. Yerges LM, et al. J Bone Miner Res, 2009 Dec. PMID 19453261.

Altered binding of MYF-5 to FOXE1 promoter in non-syndromic and CHARGE-associated cleft palate. Venza M, et al. J Oral Pathol Med, 2009 Jan. PMID 19192046.

Efficacy of 3 days/wk resistance training on myofiber hypertrophy and myogenic mechanisms in young vs. older adults. Kosek DJ, et al. J Appl Physiol, 2006 Aug. PMID 16614355.

Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions. Suzuki Y, et al. Genome Res, 2004 Sep. PMID 15342556.