

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

Goat Anti-MYF5 Antibody - Product Information

Application	WB
Primary Accession	P13349
Other Accession	NP_005584 , 4617
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:29887215). 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.