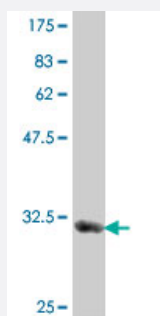


MYL1 polyclonal antibody (A01)

Catalog # H00004632-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (34.91 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant MYL1.
Immunogen	MYL1 (NP_524146, 1 a.a. ~ 80 a.a) partial recombinant protein with GST tag.
Sequence	MSFSADQIAEFKEAFLFDRTGDSKITLSQVGDVLRALGTNPTNAEVRKVLGNPSNEELNAKKIEF EQFLPMMQAISNNK
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.91 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — MYL1

Entrez GeneID [4632](#)

GeneBank Accession# [NM_079422](#)

Protein Accession# [NP_524146](#)

Gene Name MYL1

Gene Alias MLC1F, MLC3F

Gene Description myosin, light chain 1, alkali; skeletal, fast

Omim ID [160780](#)

Gene Ontology [Hyperlink](#)

Gene Summary Myosin is a hexameric ATPase cellular motor protein. It is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene encodes a myosin alkali light chain expressed in fast skeletal muscle. Two transcript variants have been identified for this gene. [provided by RefSeq]

Other Designations A1 catalytic|A2 catalytic|OTTHUMP00000163942|fast skeletal myosin alkali light chain 1|myosin, light polypeptide 1, alkali; skeletal, fast

Publication Reference

- [Protein Array-Based Approach to Evaluate Biomarkers of Beef Tenderness and Marbling in Cows: Understanding of the Underlying Mechanisms and Prediction.](#)

Mohammed Gagaoua, Muriel Bonnet, Brigitte Picard.

Foods (Basel, Switzerland) 2020 Aug; 9(9):E1180.

Application: Reverse Phase Protein Array (RPPA), Human, Human muscle protein

- [Beef tenderness and intramuscular fat proteomic biomarkers: Effect of gender and rearing practices.](#)

Picard B, Gagaoua M, Al Jammal M, Bonnet M.

Journal of Proteomics 2019 Mar; 200:1.

Application: WB-Ti, Bovine, Bovine muscle

- [Reverse Phase Protein array for the quantification and validation of protein biomarkers of beef qualities: The case of meat color from Charolais breed.](#)

Gagaoua M, Bonnet M, De Koning L, Picard B.

Meat Science 2018 Jul; 145:308.

Application: WB-Ti, Bovine, Bovine muscle

- [Beef tenderness and intramuscular fat proteomic biomarkers: muscle type effect.](#)

Picard B, Gagaoua M, Al-Jammal M, De Koning L, Valais A, Bonnet M.

PeerJ 2018 Jun; 6:e4891.

Application: WB-Ti, Bovine, Bovine muscle

- [Reverse phase protein arrays for the identification/validation of biomarkers of beef texture and their use for early classification of carcasses.](#)

Gagaoua M, Bonnet M, Ellies-Oury MP, De Koning L, Picard B.

Food Chemistry 2018 Jun; 250:245.

Application: WB-Ti, Bovine, Bovine muscles

- [The study of protein biomarkers to understand the biochemical processes underlying beef color development in young bulls.](#)

Gagaoua M, Terlouw EMC, Picard B.

Meat Science 2017 Jul; 134:18.

Application: Dot, Bovine, Bovine muscle

- [Inverse relationships between biomarkers and beef tenderness according to contractile and metabolic properties of the muscle.](#)

Picard B, Gagaoua M, Micol D, Cassar-Malek I, Hocquette JF, Terlouw CE.

Journal of Agricultural and Food Chemistry 2014 Oct; 62(40):9808.

Application: Dot, Bovine, Bovine muscle

- [Functional analysis of beef tenderness.](#)

Guillemin N, Bonnet M, Jurie C, Picard B.

Journal of Proteomics 2011 Dec; 75(2):352.

Application: WB-Ti, Bovine, Bovine tenderness