

Datasheet for ABIN2783421

**anti-HMGCS1 antibody (Middle Region)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	HMGCS1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Horse, Rabbit, Cow, Dog, Guinea Pig, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGCS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HMGCS1
Sequence:	KDFTLNDFGF MIFHSPYCKL VQKSLARMLL NDFLNDQNRD KNSIYSGLEA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HMGCS1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	HMGCS1
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## Target Details

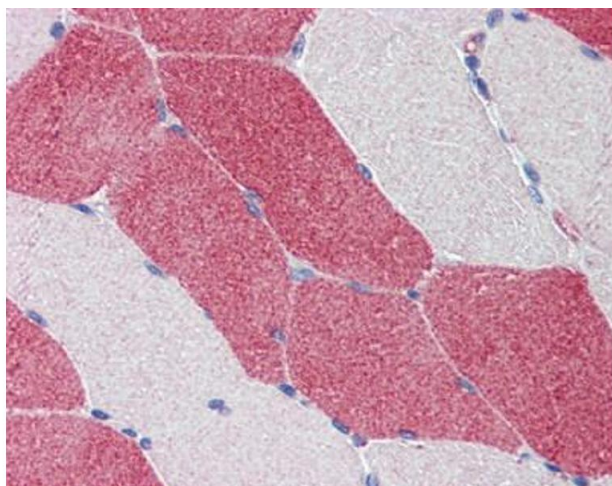
Alternative Name:	HMGCS1 ( <a href="#">HMGCS1 Products</a> )
Background:	<p>This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.</p> <p>Alias Symbols: HMGCS, MGC90332</p> <p>Protein Interaction Partner: UBC, CLN5, SPDL1, SPG21, PEG10, MAPK9, PFN2, KARS, IARS, DARS,</p> <p>Protein Size: 520</p>
Molecular Weight:	57 kDa
Gene ID:	3157
NCBI Accession:	<a href="#">NM_002130</a> , <a href="#">NP_002121</a>
UniProt:	<a href="#">Q01581</a>
Pathways:	<a href="#">Regulation of Lipid Metabolism by PPARalpha</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 520 AA
Restrictions:	For Research Use only

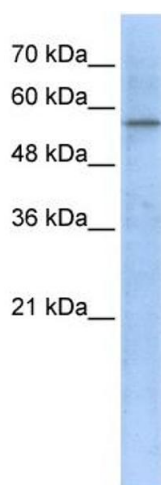
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



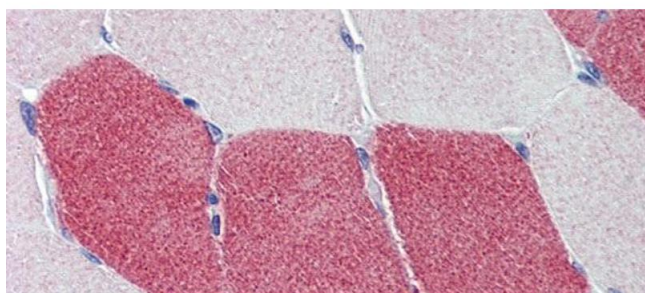
#### Immunohistochemistry

**Image 1.**



#### Western Blotting

**Image 2.** WB Suggested Anti-HMGCS1 Antibody Titration: 1 ug/ml Positive Control: 293T cells lysate HMGCS1 is supported by BioGPS gene expression data to be expressed in HEK293T



#### Immunohistochemistry

**Image 3.** Immunohistochemistry with Human Skeletal Muscle lysate tissue at an antibody concentration of 5.0ug/ml using anti-HMGCS1 antibody