

Datasheet for ABIN2776880

**anti-HMGCS2 antibody (N-Term)**

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## Overview

Quantity:	100 µL
Target:	HMGCS2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Guinea Pig, Goat, Horse, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGCS2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HMGCS2
Sequence:	PKDVGILALE VYFPAQYVDQ TDLEKYNNVE AGKYTVGLGQ TRMGFCSVQE
Predicted Reactivity:	Cow: 93%, Dog: 100%, Goat: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HMGCS2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

## Target Details

Target:	HMGCS2
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## Target Details

Alternative Name:	HMGS2 ( <a href="#">HMGS2 Products</a> )
Background:	HMGS2 condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.  Protein Interaction Partner: UBC, APP, YWHAQ,  Protein Size: 508
Molecular Weight:	56 kDa
Gene ID:	3158
NCBI Accession:	<a href="#">NM_005518</a> , <a href="#">NP_005509</a>
UniProt:	<a href="#">P54868</a>
Pathways:	<a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <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: 508 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.

## Publications

- Product cited in:
- Palmieri, Gojis, Rudraraju, Stamp-Vincent, Wilson, Langdon, Gourley, Faratian: "Expression of steroid receptor coactivator 3 in ovarian epithelial cancer is a poor prognostic factor and a marker for platinum resistance." in: **British journal of cancer**, Vol. 108, Issue 10, pp. 2039-44, (2013) ([PubMed](#)).
- Viringipurampeer, Ferreira, DeMaria, Yoon, Shan, Moosajee, Gregory-Evans, Ngai, Gregory-Evans: "Pax2 regulates a fadd-dependent molecular switch that drives tissue fusion during eye development." in: **Human molecular genetics**, Vol. 21, Issue 10, pp. 2357-69, (2012) ([PubMed](#)).
- Lee, Doberstein, Baumgarten, Wieland, Ungerer, Bürger, Hardt, Boehncke, Pfeilschifter, Mihic-Probst, Mittelbronn, Gutwein: "PAX2 regulates ADAM10 expression and mediates anchorage-independent cell growth of melanoma cells." in: **PLoS ONE**, Vol. 6, Issue 8, pp. e22312, (2011) ([PubMed](#)).
- Yu, Moriniere, Birke, Neumann, Fuchshofer, Kampik, Bloemendal, Welge-Lussen: "Reactivation of optic nerve head astrocytes by TGF-beta2 and H2O2 is accompanied by increased Hsp32 and Hsp47 expression." in: **Investigative ophthalmology & visual science**, Vol. 50, Issue 4, pp. 1707-17, (2009) ([PubMed](#)).
- Hurtado, Holmes, Geistlinger, Hutcheson, Nicholson, Brown, Jiang, Howat, Ali, Carroll: "Regulation of ERBB2 by oestrogen receptor-PAX2 determines response to tamoxifen." in: **Nature**, Vol. 456, Issue 7222, pp. 663-6, (2008) ([PubMed](#)).

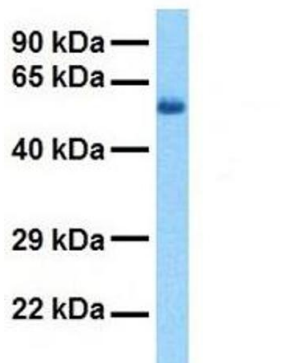
## Images



### Western Blotting

**Image 1.** WB Suggested Anti-HMGCS2 Antibody Titration:  
5.0ug/ml Positive Control: Jurkat cell lysate

# HMGCS2



## Western Blotting

**Image 2.** Host: Rabbit Target Name: HMGCS2 Sample  
Tissue: Human Fetal Liver Antibody Dilution: 1.0ug/ml