

DHRS7C Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13788c**Specification**

DHRS7C Antibody (Center) - Product Information

Application	IHC-P, WB,E
Primary Accession	A6NNS2
Other Accession	Q8CHS7 , Q1RMJ5 , D3ZGP9
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34878
Antigen Region	116-145

DHRS7C Antibody (Center) - Additional Information**Gene ID** 201140**Other Names**

Dehydrogenase/reductase SDR family member 7C, 11--, DHRS7C

Target/Specificity

This DHRS7C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 116-145 amino acids from the Central region of human DHRS7C.

Dilution

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

DHRS7C Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

DHRS7C Antibody (Center) - Protein Information**Name** DHRS7C ([HGNC:32423](#))

Function NADH-dependent oxidoreductase which catalyzes the oxidation of all-trans-retinol to all-trans-retinal. Plays a role in the regulation of cardiac and skeletal muscle metabolic functions. Maintains Ca^{2+} intracellular homeostasis by repressing Ca^{2+} release from the sarcoplasmic reticulum (SR) in myotubes, possibly through local alternations in NAD/NADH or retinol/retinal. Also plays a role in Ca^{2+} homeostasis by controlling Ca^{2+} overload in the cytosol and the SR in myotubes. Involved in glucose uptake into skeletal muscles and muscle performance by activating PI3K and mTORC2-mediated AKT1 phosphorylation signaling pathways, possibly through the action of its downstream catalytic product all-trans-retinoic acid.

Cellular Location

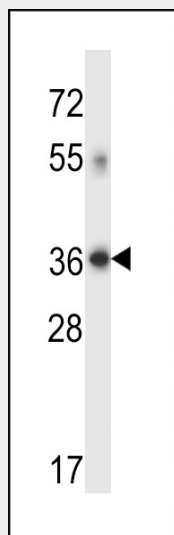
Sarcoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8CHS7}. Note=The N-terminus region encompasses a short hydrophobic sequence bound to the sarcoplasmic reticulum membrane, whereas the C-terminus catalytic domain faces the myoplasm. In skeletal muscle, enriched in the longitudinal sarcoplasmic reticulum. {ECO:0000250|UniProtKB:Q8CHS7}

DHRS7C Antibody (Center) - Protocols

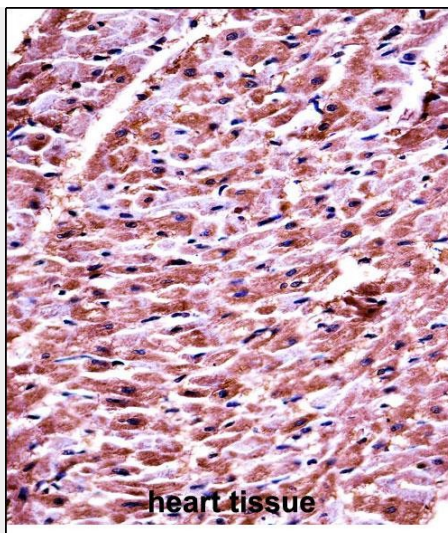
Provided below are standard protocols that you may find useful for product applications.

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

DHRS7C Antibody (Center) - Images



DHRS7C Antibody (Center) (Cat. #AP13788c) western blot analysis in human placenta tissue lysates (35ug/lane). This demonstrates the DHRS7C antibody detected the DHRS7C protein (arrow).



DHRS7C Antibody (Center) (AP13788c) immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of DHRS7C Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

DHRS7C Antibody (Center) - Background

DHRS7C is a putative oxidoreductase (Potential).