

DHRS7C Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15804**Specification**

DHRS7C Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	A6NNS2
Other Accession	NM_001105571 , NP_001099041
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35kDa kDa

DHRS7C Antibody - C-terminal region - Additional Information**Gene ID** 201140

Alias Symbol	SDR32C2
Other Names	
Dehydrogenase/reductase SDR family member 7C, 1.1.-.-, DHRS7C	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-DHRS7C antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

DHRS7C Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

DHRS7C Antibody - C-terminal region - 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

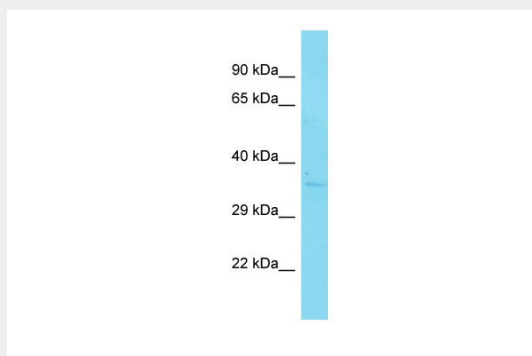
Sarcoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8CHS7}. Note=The N-terminus region encompasses a short hydrophobic sequence bound to the sarcoplasmic reticulum membrane, whereas the C-terminus catalytic domain faces the myoplasm In skeletal muscle, enriched in the longitudinal sarcoplasmic reticulum.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

DHRS7C Antibody - C-terminal region - 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 - C-terminal region - Images



Host: Rabbit
Target Name: DHRS7C
Sample Tissue: Placenta lysates
Antibody Dilution: 1.0µg/ml

DHRS7C Antibody - C-terminal region - Background

Putative oxidoreductase.

DHRS7C Antibody - C-terminal region - References

Zody M.C., et al. Nature 440:1045-1049(2006).