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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.

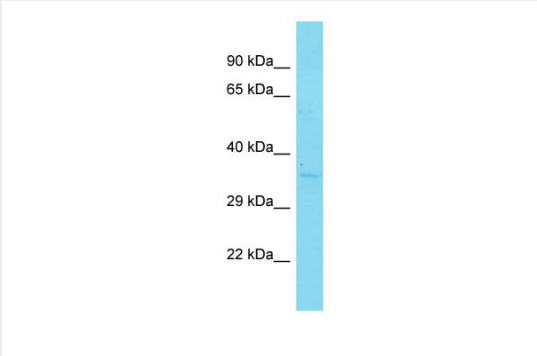
Cellular Location
Sarcoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8CHS7}. Note=The N-terminus region encompasses a short hydrophobic sequence bound to the sarcoplasmic reticulum membrane, whereas the C-terminus catalytic domain faces the myoplasm In skeletal muscle, enriched in the longitudinal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