

DHRS7C Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13788c**Specification**

DHRS7C Antibody (Center) Blocking peptide - Product InformationPrimary Accession [A6NNS2](#)**DHRS7C Antibody (Center) Blocking peptide - Additional Information****Gene ID** 201140**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13788c was selected from the Center region of DHRS7C. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DHRS7C Antibody (Center) Blocking peptide - 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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

DHRS7C Antibody (Center) Blocking peptide - Images

DHRS7C Antibody (Center) Blocking peptide - Background

DHRS7C is a putative oxidoreductase (Potential).