

SDR16C5 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14895c**Specification**

SDR16C5 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8N3Y7](#)**SDR16C5 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 195814**Other Names**

Epidermal retinol dehydrogenase 2, EPHD-2, RDH-E2, Retinal short-chain dehydrogenase reductase 2, retSDR2, Short-chain dehydrogenase/reductase family 16C member 5, SDR16C5, RDHE2

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.

SDR16C5 Antibody (Center) Blocking Peptide - Protein Information**Name** SDR16C5 ([HGNC:30311](#))**Function**

Oxidoreductase with strong preference for NAD (PubMed:[18926804](http://www.uniprot.org/citations/18926804)). Active in both the oxidative and reductive directions (PubMed:[18926804](http://www.uniprot.org/citations/18926804)). Oxidizes all-trans-retinol in all-trans- retinaldehyde (PubMed:[18926804](http://www.uniprot.org/citations/18926804)). No activity was detected with 11-cis- retinol or 11-cis-retinaldehyde as substrates with either NAD(+)/NADH or NADP(+)/NADPH (PubMed:[18926804](http://www.uniprot.org/citations/18926804)).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

Detected in adult lung. Detected at low levels in adult brain, heart, testis, placenta, cervix, pancreas, uterus, stomach, rectum, small intestine, colon, esophagus, thymus, skin, and skin

keratinocyte. Expression is higher in psoriasis lesions relative to unaffected skin from psoriasis patients. Detected in fetal kidney, skin and lung.

SDR16C5 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SDR16C5 Antibody (Center) Blocking Peptide - Images

SDR16C5 Antibody (Center) Blocking Peptide - Background

RDHE2 belongs to a family of short-chain alcoholdehydrogenases/reductases that catalyze the first and rate-limiting step that generates retinaldehyde from retinol (Matsuzaka et al., 2002 [PubMed 12372410]).

SDR16C5 Antibody (Center) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Zhao, J., et al. BMC Med. Genet. 11, 96 (2010)
:Takahashi, Y., et al. Biochem. J. 419(1):113-122(2009) Soranzo, N., et al. PLoS Genet. 5 (4),
E1000445 (2009) :Lee, S.A., et al. Chem. Biol. Interact. 178 (1-3), 182-187 (2009) :