

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

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**SDR16C5 Antibody (Center) Blocking Peptide - Product Information**Primary 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) :