

**APOD Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7423a****Specification**

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**APOD Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P05090](#)**APOD Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 347**Other Names**

Apolipoprotein D, Apo-D, ApoD, APOD

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7423a](/products/AP7423a) was selected from the N-term region of human APOD. 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.

**APOD Antibody (N-term) Blocking Peptide - Protein Information****Name** APOD**Function**

APOD occurs in the macromolecular complex with lecithin- cholesterol acyltransferase. It is probably involved in the transport and binding of bilin. Appears to be able to transport a variety of ligands in a number of different contexts.

**Cellular Location**

Secreted.

**Tissue Location**

Expressed in liver, intestine, pancreas, kidney, placenta, adrenal, spleen, fetal brain tissue and tears

## **APOD Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **APOD Antibody (N-term) Blocking Peptide - Images**

## **APOD Antibody (N-term) Blocking Peptide - Background**

APOD is a component of high density lipoprotein that has no marked similarity to other apolipoprotein sequences. It has a high degree of homology to plasma retinol-binding protein and other members of the alpha 2 microglobulin protein superfamily of carrier proteins, also known as lipocalins. This glycoprotein is closely associated with the enzyme lecithin:cholesterol acyltransferase - an enzyme involved in lipoprotein metabolism.

## **APOD Antibody (N-term) Blocking Peptide - References**

Do Carmo,S., J. Neurosci. 28 (41), 10330-10338 (2008)Chen,Y., Brain Res. 1233, 196-202 (2008)Wei,Y.J., Biomarkers 13 (5), 535-548 (2008)