

#### **APOD Antibody (N-term)**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP7423a

### Specification

# **APOD Antibody (N-term) - Product Information**

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW Antigen Region WB,E <u>P05090</u> <u>P23593</u>, <u>P37153</u>, <u>P51910</u> Human, Mouse Rabbit, Rat Rabbit Polyclonal Rabbit IgG 21276 26-53

### **APOD** Antibody (N-term) - Additional Information

Gene ID 347

**Other Names** Apolipoprotein D, Apo-D, ApoD, APOD

Target/Specificity

This APOD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-53 amino acids from the N-terminal region of human APOD.

**Dilution** WB~~1:1000 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** APOD Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>
- APOD Antibody (N-term) Images



Western blot analysis of APOD Antibody (N-term) (Cat. #AP7423a) in 293 cell line lysates (35ug/lane).APOD (arrow) was detected using the purified Pab.





Western blot analysis of APOD Antibody (N-term) (Cat. #AP7423a)in mouse brain tissue lysates (35ug/lane).APOD (arrow) was detected using the purified Pab.



Western blot analysis of APOD (arrow) using rabbit polyclonal APOD Antibody (N-term) (Cat. #AP7423a) 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the APOD gene (Lane 2).

# APOD Antibody (N-term) - 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) - 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)