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APOD Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7423a

Product Information

Application	WB, E
Primary Accession	P05090
Other Accession	P23593, P37153, P51910
Reactivity	Human, Rat, Mouse
Predicted	Rabbit, Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB15173
Calculated MW	21276
Antigen Region	26-53

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.

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

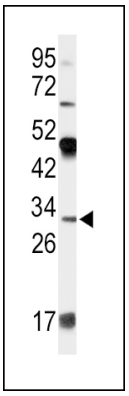
Background

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.

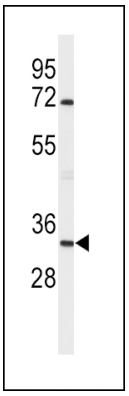
References

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)

Images

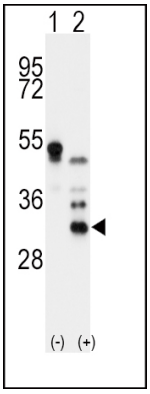


Western blot analysis of APOD Antibody (N-term) (Cat. #AP7423a) in 293 cell line lysates (35ug/lane).APOD (arrow) was detected using the purified Pab.



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) .



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.