

Apolipoprotein D Rabbit pAb

Catalog # AP99058

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P05090
Other Accession	P05090
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21276
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human APOD
Epitope Specificity	81-189/189
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the calycin superfamily. Lipocalin family.
SUBUNIT	Homodimer. In plasma, also exists as a disulfide-linked heterodimer with APOA2.
Post-translational modifications	N-glycosylatd. N-glycan heterogeneity at Asn-65: Hex5HexNAc4 (major) and Hex6HexNAc5 (minor); at Asn-98: Hex5HexNAc4 (minor), dHex1Hex5HexNAc4 (major), dHex1Hex6HexNAc5 (minor) and dHex1Hex7HexNAc6 (minor).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Apolipoprotein D (APO D), a glycoprotein involved in the human plasma lipid transport system. It is a progesterone binding glycoprotein of 24,000 dalton monomer molecular size, is a constituent of high density lipoprotein in plasma. The function of apolipoprotein D in the metabolism of plasma lipoproteins is unclear but the observation that this protein forms complexes with lecithin: cholesterol acyltransferase has led to the suggestion that apolipoprotein D may be involved in cholesterol esterification and transport of substrates and products of the reaction. Apolipoprotein D is expressed in a range of normal tissues including axillary apocrine glands, adrenal cortex and corpus luteum. Peripheral nerves, pituitary, testis, cerebellum and renal tubes are also positive. APO D was first isolated in large quantity as GCDPF 24, the major protein component of most human breast cyst fluids. In recent studies, Apo D immunoreactivity has been shown to be an early indicator of prostate cancer and advanced primary prostate tumors.

Additional Information

Gene ID	347
Other Names	APOD_HUMAN; APOD; Apo-D; apolipoprotein D
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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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

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