10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

APOL4 Antibody (Center E273)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6783c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9BPW4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19165
Calculated MW	39164
Antigen Region	258-290

Additional Information

Gene ID	80832
Other Names	Apolipoprotein L4, Apolipoprotein L-IV, ApoL-IV, APOL4
Target/Specificity	This APOL4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 258-290 amino acids from the Central region of human APOL4.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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	APOL4 Antibody (Center E273) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	APOL4
Function	May play a role in lipid exchange and transport throughout the body. May participate in reverse cholesterol transport from peripheral cells to the liver (By similarity).

Cellular Location	Secreted.
Tissue Location	Widely expressed; the highest levels are in spinal cord, placenta, adrenal gland; also detected in spleen, bone marrow, uterus, trachea, mammary gland and testis; levels are low in brain, heart and pancreas

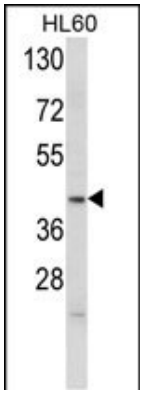
Background

APOL4 is a member of the apolipoprotein L family and may play a role in lipid exchange and transport throughout the body, as well as in reverse cholesterol transport from peripheral cells to the liver.

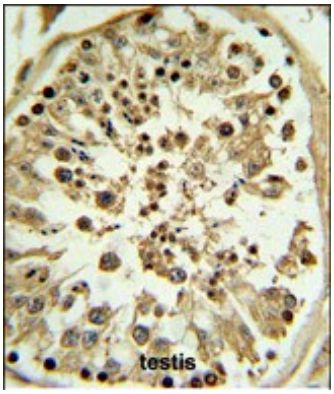
References

Takahashi,S., et.al., Schizophr. Res. 104 (1-3), 153-164 (2008)

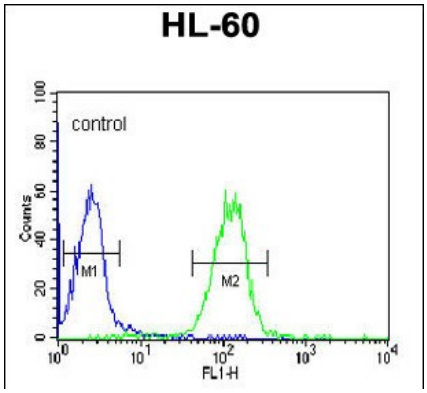
Images



Western blot analysis of APOL4 Antibody (Center E273) (Cat. #AP6783c) in HL60 cell line lysates (35ug/lane). APOL4 (arrow) was detected using the purified Pab.



APOL4 Antibody (Center E273) (Cat. #AP6783c) IHC analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the APOL4 Antibody (Center E273) for immunohistochemistry. Clinical relevance has not been evaluated.



APOL4 Antibody (Center E273) (Cat. #AP6783c) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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