

Product datasheet for **AP01382PU-N**

Apolipoprotein L 1 (APOLI) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunohistochemistry on paraffin sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	ApoL1 antibody detects endogenous levels of ApoL1 protein. (region surrounding Gln294)
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 44 kDa
Gene Name:	apolipoprotein L1
Database Link:	Entrez Gene 8542 Human O14791



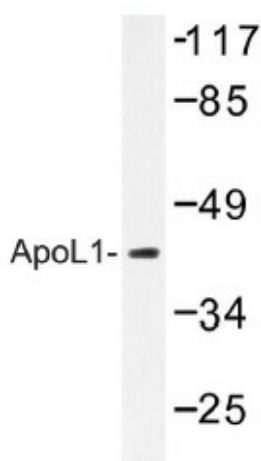
Background:

Apolipoproteins are protein components of plasma lipoproteins. The apolipoprotein L gene family encodes six highly homologous proteins designated apoL-I to -VI, which are associated with large high density type lipoproteins (HDL). The human apoL family maps to chromosome 22q12.1- 13.1 within a 127,000-bp region . apoL has been characterized as a pancreas specific, 383-amino acid, 42 kDa protein that contains a 12-amino acid secretory signal peptide. The apoL genes have TATA-less promoters and contain putative sterol regulatory elements, suggesting that transcription of these genes may be coordinated with that of the low density lipoprotein receptor and genes in pathways involving the synthesis of triglycerides and cholesterol. apoL homologs can undergo 10 fold changes in expression during atherosclerotic changes in vascular endothelial cells, which includes the inflammatory reaction of atherosclerotic lesions.

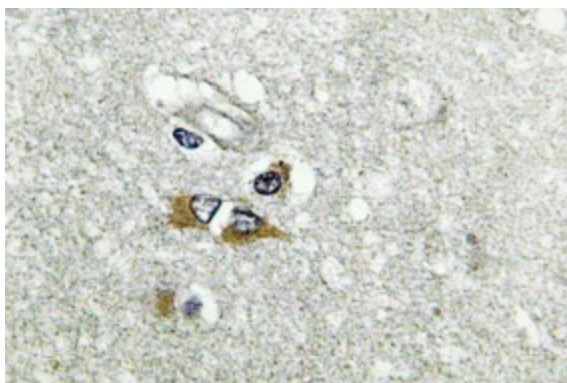
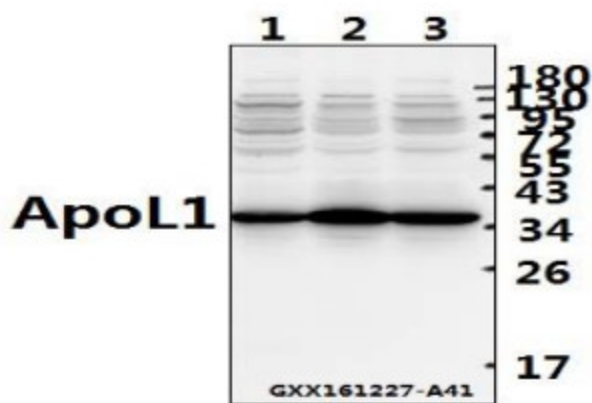
Synonyms:

Apolipoprotein L-I, ApoL-I

Product images:



Western blot (WB) analysis of ApoL1 antibody (Cat.-No.: AP01382PU-N) in extracts from A549 cells.



Western blot (WB) analysis of ApoL1 polyclonal antibody at 1:500 dilution: Lane1: A549 whole cell lysate(40ug) Lane2: HepG2 whole cell lysate(40ug) Lane3: L02 whole cell lysate(40ug)

Immunohistochemistry (IHC) analyzes of ApoL1 antibody (Cat.-No.: AP01382PU-N) in paraffin-embedded human brain tissue.