

### **Product datasheet for TA392702**

# OriGene Technologies, Inc.

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#### Apolipoprotein A I (APOA1) Rabbit Polyclonal Antibody

#### **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB:1:500~1:1000 IHC:1:50~1:200

Reactivity: Human, Mouse, Rat

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**Immunogen:** Recombinant full length Human APOA1.

**Specificity:** APOA1 polyclonal antibody detects endogenous levels of APOA1 protein. **Formulation:** Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Concentration: 1mg/ml

Conjugation: Unconjugated

Storage: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Stability: 1 year

Predicted Protein Size: ~ 29 kDa

**Gene Name:** apolipoprotein A1

**Database Link:** Entrez Gene 335 Human

P02647

**Background:** The human apoA-I gene encodes a single chain, 243 amino acid protein which promotes

cholesterol efflux from tissues to the liver for excretion. Apolipoprotein A-I is the major protein component of high density lipoprotein (HDL) in the plasma. It can function as a cofactor for lecithin cholesterolacyltransferase (LCAT), which is responsible for the formation of most plasma cholesteryl esters. The human apoA-II gene encodes the second most

abundant protein of HDL particles, where it influences plasma levels of free fatty acids (FFA). The human apoA-IV gene encodes a 396 amino acid preprotein, which after proteolytic processing is secreted from the intestine in association with chylomicron particles.



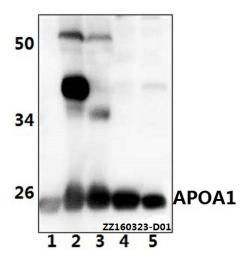
Synonyms:

Apo-Al; ApoA-I; APOA1; APOA1/APOC3 fusion gene; Apo Al; ApoA I; Apolipoprotein A-I(1-242); Apolipoprotein A1; Apolipoprotein AI; Apolipoprotein AI; Apolipoprotein A I precursor; Apolipoprotein of high density lipoprotein; Brp14; Ltw1; Lvtw1; MGC117399; Sep1; Sep2

Note:

For research use only, not for use in diagnostic procedure.

## **Product images:**



Western blot (WB) analysis of APOA1 polyclonal antibody at 1:500 dilution Lane1:THP-1 whole cell lysate(40ug) Lane2:The liver tissue lysate of Mouse(40ug) Lane3:The liver tissue lysate of Rat(40ug) Lane4:L02 whole cell lysate(40ug) Lane5:AML-12 whole cell lysate(40ug)