

## Product datasheet for **CF507102**

### Apolipoprotein A V (APOA5) Mouse Monoclonal Antibody [Clone ID: OTI1H4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1H4
Applications:	WB
Recommended Dilution:	WB 1:400~4000
Reactivity:	Human, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human APOA5(NP_443200) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	38.9 kDa
Gene Name:	apolipoprotein A5
Database Link:	<a href="#">NP_443200</a> <a href="#">Entrez Gene 66113 Mouse</a> <a href="#">Entrez Gene 696484 Monkey</a> <a href="#">Entrez Gene 116519 Human</a> <a href="#">Q6Q788</a>



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**Background:**

The protein encoded by this gene is an apolipoprotein that plays an important role in regulating the plasma triglyceride levels, a major risk factor for coronary artery disease. It is a component of high density lipoprotein and is highly similar to a rat protein that is upregulated in response to liver injury. Mutations in this gene have been associated with hypertriglyceridemia and hyperlipoproteinemia type 5. This gene is located proximal to the apolipoprotein gene cluster on chromosome 11q23. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Oct 2009]

**Synonyms:**

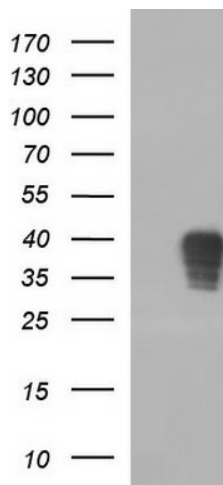
APOAV; RAP3

**Protein Families:**

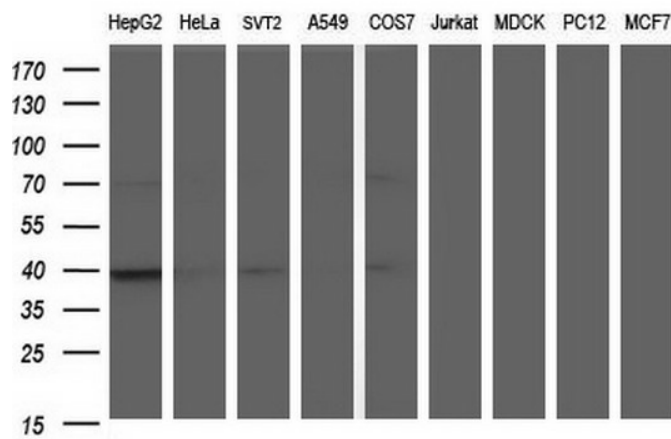
Druggable Genome, Secreted Protein

**Protein Pathways:**

PPAR signaling pathway

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY APOA5 (Cat# [RC211023], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-APOA5 (Cat# [TA507102]). Positive lysates [LY403279] (100ug) and [LC403279] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-APOA5 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).