

# APOM Recombinant antibody

Catalog Number: 82871-1-RR

## Basic Information

**Catalog Number:**

82871-1-RR

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3048

**GenBank Accession Number:**

BC020683

**GeneID (NCBI):**

55937

**UNIPROT ID:**

O95445

**Full Name:**

apolipoprotein M

**Calculated MW:**

21 kDa

**Observed MW:**

21-25 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

3019

**Recommended Dilutions:**

WB 1:2000-1:10000

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IF/ICC, FC (Intra), ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : HepG2 cells, human plasma

IF/ICC : HepG2 cells,

## Background Information

APOM (Apolipoprotein M) is a member of the lipocalin superfamily and is predominantly associated with high-density lipoprotein (HDL). APOM is synthesized in the kidneys, liver, and to a minor extent also by adipocytes. In the circulation, APOM binds primarily to high-density lipoproteins (HDL) but can also be associated with other lipoproteins, such as low-density lipoproteins (LDL), very-low-density lipoproteins (VLDL), and chylomicrons (PMID: 34482091).

## Storage

**Storage:**

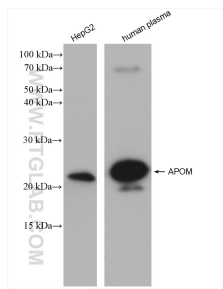
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

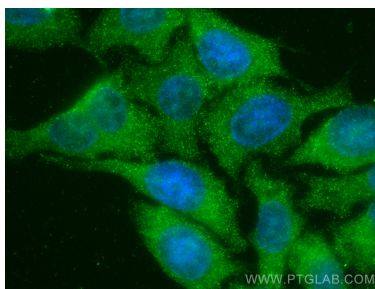
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

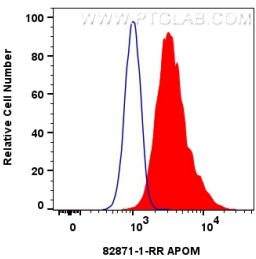
## Selected Validation Data



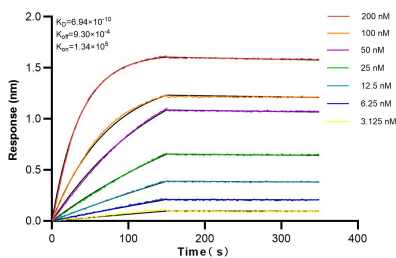
Various lysates were subjected to SDS PAGE followed by western blot with 82871-1-RR (APOM antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using APOM antibody (82871-1-RR, Clone: 3O19) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug APOM Recombinant antibody (82871-1-RR, Clone:3O19) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 82871-1-RR against Human APOM were performed. The affinity constant is 0.694 nM.