

## **APOA2 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a full length recombinant APOA2.

Catalog # AT1166a

### **Specification**

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#### **APOA2 Antibody (monoclonal) (M01) - Product Information**

Application	WB, IHC, E
Primary Accession	<a href="#">P02652</a>
Other Accession	<a href="#">BC005282</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	11175

#### **APOA2 Antibody (monoclonal) (M01) - Additional Information**

Gene ID 336

##### **Other Names**

Apolipoprotein A-II, Apo-AII, ApoA-II, Apolipoprotein A2, Proapolipoprotein A-II, ProapoA-II, Truncated apolipoprotein A-II, Apolipoprotein A-II(1-76), APOA2

##### **Target/Specificity**

APOA2 (AAH05282, 1 a.a. ~ 100 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

##### **Dilution**

WB~~1:500~1000

##### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### **Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

##### **Precautions**

APOA2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

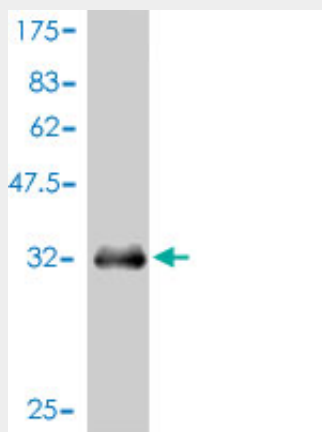
#### **APOA2 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

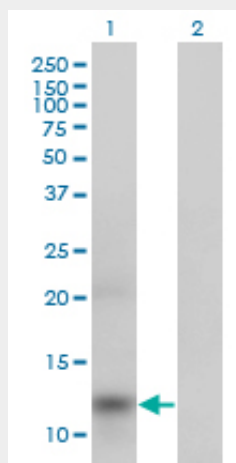
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### APOA2 Antibody (monoclonal) (M01) - Images



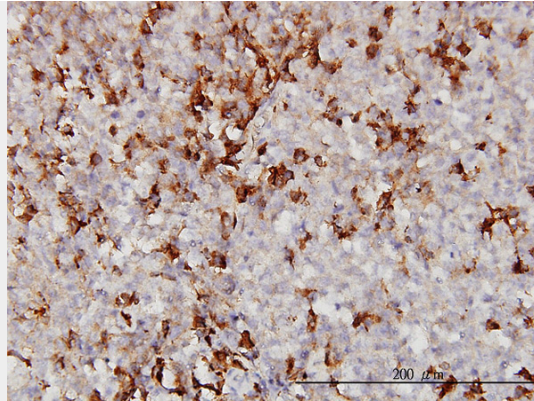
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



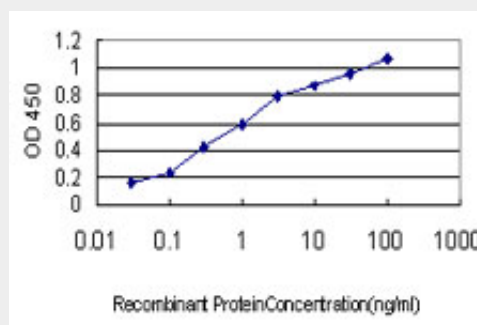
Western Blot analysis of APOA2 expression in transfected 293T cell line by APOA2 monoclonal antibody (M01), clone 4F3.

Lane 1: APOA2 transfected lysate(11.2 kDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to APOA2 on formalin-fixed paraffin-embedded human malignant lymphoma, diffuse large B. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged APOA2 is approximately 0.03ng/ml as a capture antibody.

### **APOA2 Antibody (monoclonal) (M01) - Background**

This gene encodes apolipoprotein (apo-) A-II, which is the second most abundant protein of the high density lipoprotein particles. The protein is found in plasma as a monomer, homodimer, or heterodimer with apolipoprotein D. Defects in this gene may result in apolipoprotein A-II deficiency or hypercholesterolemia.

### **APOA2 Antibody (monoclonal) (M01) - References**

Pharmacogenetic analysis of lipid responses to rosuvastatin in Chinese patients. Hu M, et al. Pharmacogenet Genomics, 2010 Oct. PMID 20679960. Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Physiogenomic analysis of statin-treated patients: domain-specific counter effects within the ACACB gene on low-density lipoprotein cholesterol? Rua?o G, et al. Pharmacogenomics, 2010 Jul. PMID 20602615. Polymorphisms in innate immunity genes and risk of childhood leukemia. Han S, et al. Hum Immunol, 2010 Jul. PMID 20438785. No interaction between alcohol consumption and HDL-related genes on HDL cholesterol levels. Marques-Vidal P, et al. Atherosclerosis, 2010 Aug. PMID 20430392.