

Apolipoprotein A1 / APOA1 Antibody

Mouse Monoclonal Antibody [Clone APOA1/3662]

Catalog No	Format	Size
335-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
335-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
335-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

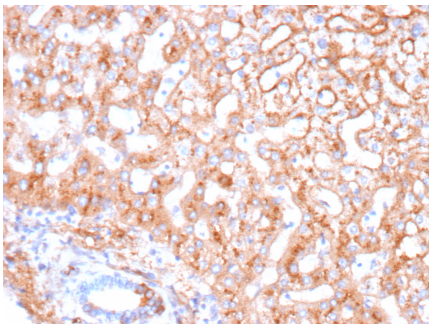
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

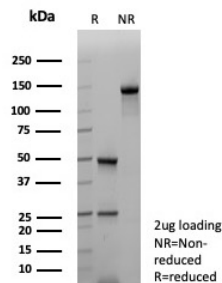
Clone	APOA1/3662
Gene Name	APOA1
Immunogen	Human recombinant APOA1 protein fragment (around aa 83-167) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	28kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Human liver.

*Optimal dilution for a specific application should be determined.

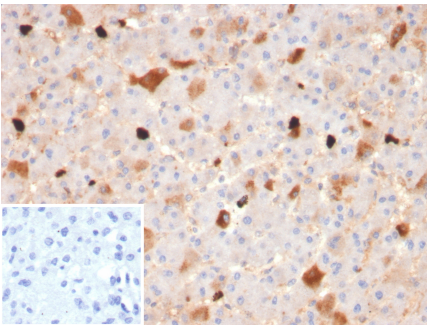
Product Images for Apolipoprotein A1 / APOA1 Antibody



Formalin-fixed, paraffin-embedded human hepatocellular carcinoma stained with Apolipoprotein A1 Mouse Monoclonal Antibody (APOA1/3662). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified Apolipoprotein A1 Mouse Monoclonal Antibody (APOA1/3662). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human tonsil stained with Apolipoprotein A1 Mouse Monoclonal Antibody (APOA1/3662). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Apolipoproteins are protein components of plasma lipoproteins. 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. ApoA-IV is a potent activator of LCAT in vitro. The human apoA-V gene encodes a 366 amino acid protein that is believed to be an important determinant of plasma triglyceride levels.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Complement System, Infectious Disease