ARG10770
anti-Apolipoprotein AI antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Apolipoprotein AI
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Apolipoprotein AI
Species	Human
Immunogen	Synthetic peptide around aa. 25-267 of Human Apolipoprotein A1.
Conjugation	Un-conjugated
Alternate Names	ApoA-I; ProapoA-I; Apo-AI; Apolipoprotein A-I; Apolipoprotein A1; 1-242

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
IHC-P	0.5 - 2 µg/ml
WB	0.1 - 0.5 µg/ml

Application Note

IHC-P: Antigen Retrieval: Citrate buffer (10 mM, pH 6.0), Boil bathing for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

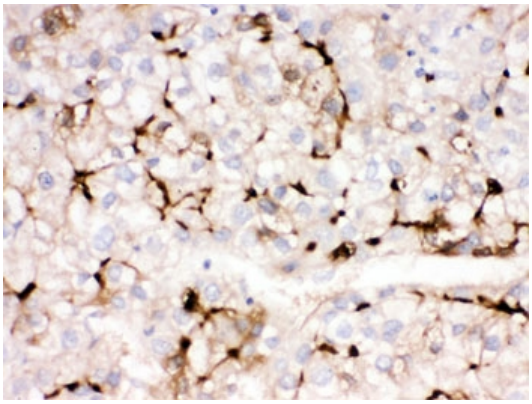
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.025% Sodium azide and 2.5% BSA.
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 335 Human Swiss-port # P02647 Human
Gene Symbol	APOA1
Gene Full Name	apolipoprotein A-I
Background	This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The protein promotes cholesterol efflux from tissues to the liver for excretion, and it is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. [provided by RefSeq, Jul 2008]
Function	Participates in the reverse transport of cholesterol from tissues to the liver for excretion by promoting cholesterol efflux from tissues and by acting as a cofactor for the lecithin cholesterol acyltransferase (LCAT). As part of the SPAP complex, activates spermatozoa motility. [UniProt]
Calculated Mw	31 kDa
PTM	Glycosylated. Palmitoylated. Phosphorylation sites are present in the extracellular medium.

Images

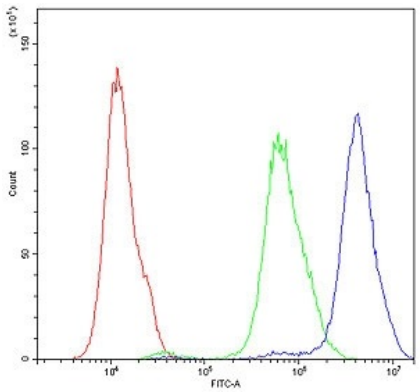


ARG10770 anti-Apolipoprotein AI antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human liver cancer tissue stained with ARG10770 anti-Apolipoprotein AI antibody. Antigen retrieval: Citrate buffer (10mM, pH 6.0), boiling bathing for 20 min.

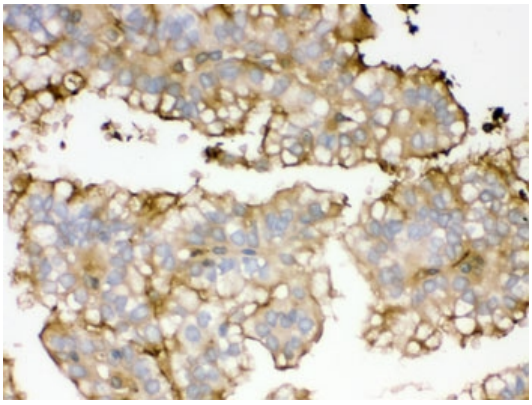
ARG10770 anti-Apolipoprotein AI antibody WB image

Western: Human placenta lysates stained with ARG10770 anti-Apolipoprotein AI antibody.



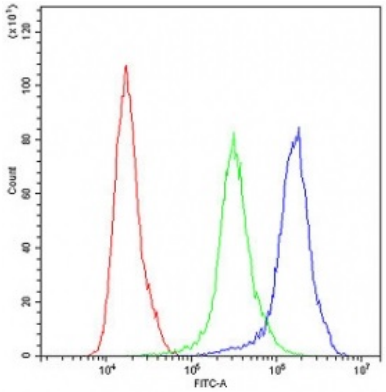
ARG10770 anti-Apolipoprotein AI antibody FACS image

Flow Cytometry: Caco-2 cells were blocked with goat sera and stained with ARG10770 anti-Apolipoprotein AI antibody at 1 µg/10^6 cells (blue); Cells alone (red); Isotype control (green).



ARG10770 anti-Apolipoprotein AI antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human kidney cancer tissue stained with ARG10770 anti-Apolipoprotein AI antibody. Antigen retrieval: Citrate buffer (10mM, pH 6.0), boiling bathing for 20 min.



ARG10770 anti-Apolipoprotein AI antibody FACS image

Flow Cytometry: HepG2 cells were blocked with goat sera and stained with ARG10770 anti-Apolipoprotein AI antibody at 1 µg/10^6 cells (blue); Cells alone (red); Isotype control (green).