

Mouse anti-Human Apolipoprotein A4/apoA-IV Monoclonal Antibody | anti-APOA4 antibody

Apolipoprotein A4/apoA-IV

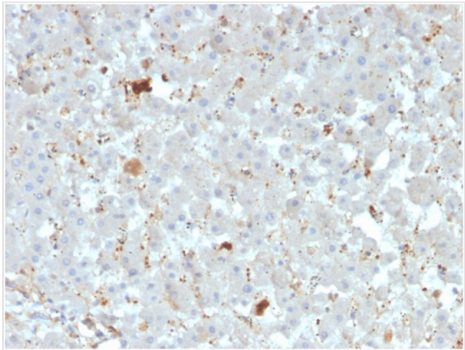
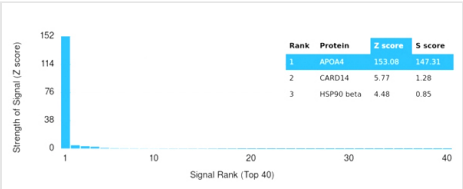
CATALOG # AAA215460	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Apolipoprotein A4/apoA-IV; Monoclonal Antibody; ApoA4; Apolipoprotein A-IV; anti-APOA4 antibody

PRODUCT SPECIFICATIONS

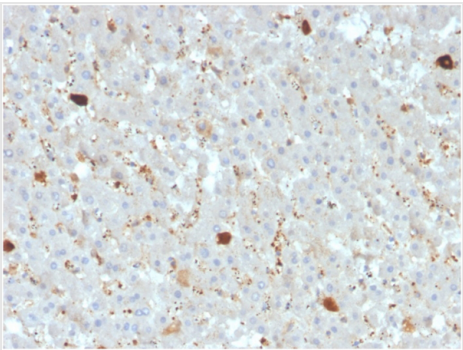
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	APOA4/3372
Specificity	Apolipoproteins are protein components of plasma lipoproteins. The human apoA-I gene encodes a single chain, 243 amino acid protein which promotes cholesterol efflux from tissues to the liver for 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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	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.
Sequence Length	396
Applicable Applications for anti-APOA4 antibody	IHC (Immunohistochemistry)
Immunogen	Human recombinant APOA4 protein fragment (around aa 239-371) (exact sequence is proprietary)
Cellular Localization	Secreted
Hu-chromosome Location	11q23.3
Positive Control	Human ovarian cancer and Cervical cancer tissues.
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human liver carcinoma stained with Apolipoprotein A4 Mouse Monoclonal Antibody (APOA4/3372).

Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using Apolipoprotein A4 Mouse Monoclonal Antibody (APOA4/3372). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human liver stained with Apolipoprotein A4 Mouse Monoclonal Antibody (APOA4/3372).

ADDITIONAL INFORMATION

References	Chistiakov DA et al. Lab Invest. 2016 Jul;96(7):708-18.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	93163358
NCBI GeneID	337
UniProt Accession #	P06727
Molecular Weight	46kDa
NCBI Official Full Name	Apolipoprotein A-IV
NCBI Official Synonym Full Names	apolipoprotein A4
NCBI Official Symbol	APOA4
NCBI Protein Information	apolipoprotein A-IV
UniProt Protein Name	Apolipoprotein A-IV
UniProt Gene Name	APOA4
UniProt Synonym Gene Names	Apo-AIV; ApoA-IV

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/apolipoprotein-a4-apoa-iv-antibody-clone-apoa4-3372-immunohistochemistry-elisa/215460>