



## Anti-APOA1 (full length) polyclonal antibody (DPAB-DC1630)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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 cholesterol 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.
<b>Immunogen</b>	APOA1 (AAH05380, 1 a.a. ~ 267 a.a) full-length recombinant protein with GST tag. The sequence is  MKAAVLTAVLFLTGSQARHFWQQDEPPQSPWDRVKDLATVYVDVLKDGRDYVSQFEGS ALGKQLNLKLLDNWDSVTSTFSKLREQLGPVTQEFDNLEKETEGLRQEMSKDLEEVKAK VQPYLDDFQKKWQEEEMELYRQKVEPLRAELQEGARQKLHELQEKLSPLGEEMRDRARAHV DALRTHLAPYSDELQRQLAARLEALKENGARLAEYHAKATEHLSTLSEAKPALEDLRQ GLLPVLESFKVSFLSALEYTKKLNTQ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">APOA1 apolipoprotein A-I [ Homo sapiens (human) ]</a>
Official Symbol	APOA1
Synonyms	APOA1; apolipoprotein A-I; apo-AI;
Entrez Gene ID	<a href="#">335</a>
Protein Refseq	<a href="#">NP_000030</a>
UniProt ID	<a href="#">A0A024R3E3</a>
Chromosome Location	11q23-q24
Pathway	ABC-family proteins mediated transport; African trypanosomiasis; Amyloids; Chylomicron-mediated lipid transport
Function	apolipoprotein A-I receptor binding; apolipoprotein receptor binding; beta-amyloid binding; cholesterol binding