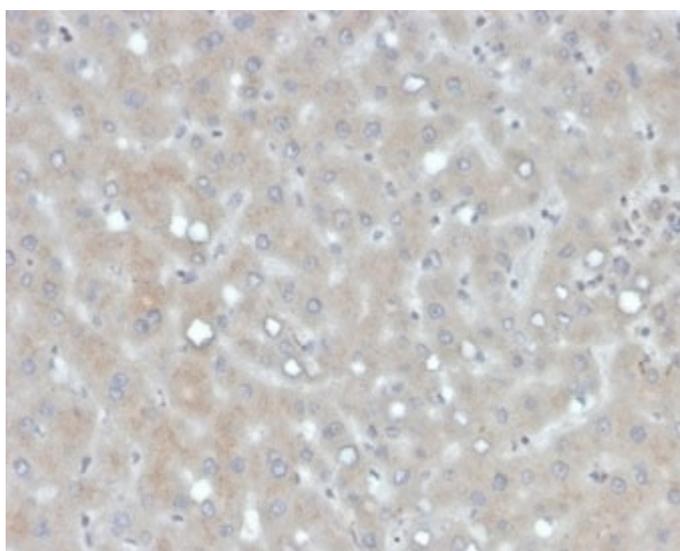


## APOB Antibody / Apolipoprotein B [clone APOB/4335] (V9160)

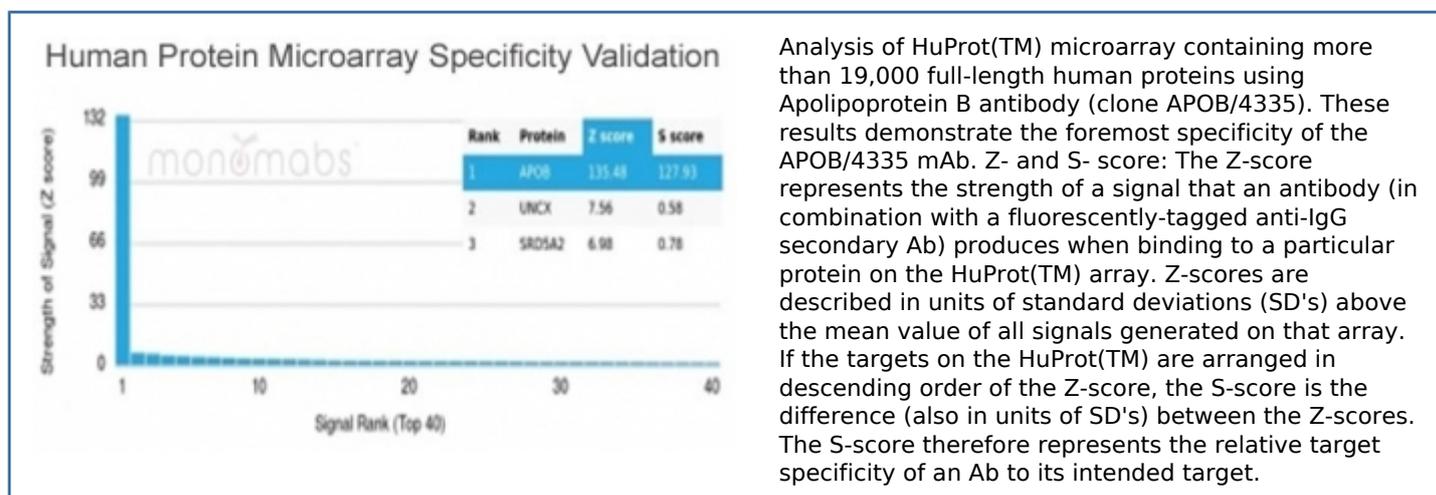
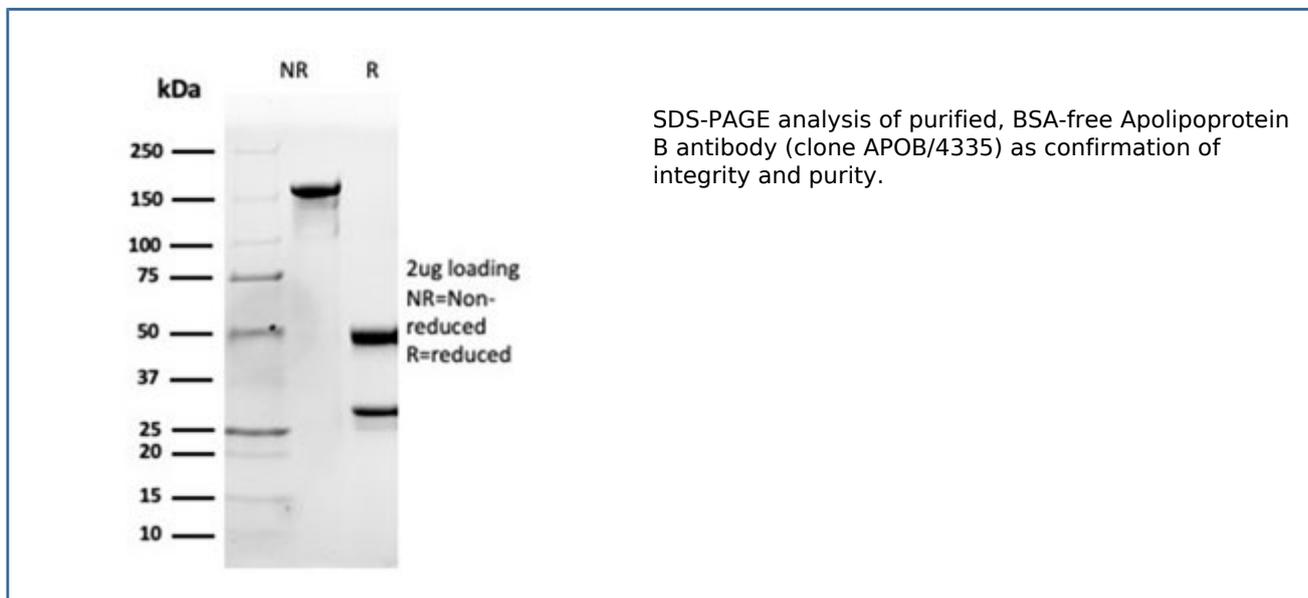
Catalog No.	Formulation	Size
V9160-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9160-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9160SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b + 2c, kappa
<b>Clone Name</b>	APOB/4335
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P04114
<b>Localization</b>	Cytoplasm, Secreted
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This Apolipoprotein B antibody is available for research use only.



IHC staining of FFPE human liver tissue with Apolipoprotein B antibody (clone APOB/4335). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



## Description

Post-transcriptional editing of apolipoprotein B (apoB) mRNA is regulated by APOBEC1 (also designated human (or rat) small intestinal apolipoprotein B mRNA editing protein, HEPR or REPR) in hepatic cells to achieve a steady state proportion of edited and unedited RNA molecules. Two forms of apoB are known to circulate in the plasma of mammals. ApoB-100 is a protein primarily synthesized in the liver as a structural component of very low density lipoprotein particles. A truncated form of apoB-100, apoB-48, is synthesized in the small intestine and contains the amino-terminal 2,152 amino acids of the larger protein. This organ-specific partitioning of apoB production is the result of RNA editing of a common apoB gene.

## Application Notes

Optimal dilution of the Apolipoprotein B antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 592-689 from the human protein was used as the immunogen for the Apolipoprotein B antibody.

## Storage

Aliquot the Apolipoprotein B antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.