

Product datasheet

Anti-Apolipoprotein D antibody ab113634

Overview

Product name	Anti-Apolipoprotein D antibody
Description	Sheep polyclonal to Apolipoprotein D
Host species	Sheep
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein produced in E. coli: FHLGKCPNPP VQENFDVNKY PGRWYEIEKI PTTFENGRCI QANYSLMENG KIKVLNQELR ADGTVNQIEG EATPVNLTPEP AKLEVKFSWF MPSAPYHILA TDYENYALVY SCTSISQSFH VDFAWILARN VALPPETVDS LKNILTSNNI DVKKMTVTDQ VNCPKLSAHH HHHH, corresponding to amino acids 23-189 of Human Apolipoprotein D. Contains a C terminal His-tag of 7 extra AA. The amino acid sequence corresponds to the UniProt P05090. The following modifications were made: Four amino acid exchanges were introduced at the surface of ApoD (Trp99His, Cys116Ser, Ile118Ser, Leu120Ser) to enhance the solubility of the recombinant protein and another three (Leu23Pro, Pro133Val, Asn134Ala) to facilitate its genetic manipulation.

[Run BLAST with ExPASy](#) [Run BLAST with NCBI](#)

General notes	Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after one week at 4°C.
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Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.20 Constituents: 99% Phosphate Buffer, 0.58% Sodium chloride Note: Azide free
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab113634** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent dilution. Predicted molecular weight: 21 kDa.
ELISA		Use at an assay dependent dilution.

Target

Function	APOD occurs in the macromolecular complex with lecithin-cholesterol acyltransferase. It is probably involved in the transport and binding of bilin. Appears to be able to transport a variety of ligands in a number of different contexts.
Tissue specificity	Expressed in liver, intestine, pancreas, kidney, placenta, adrenal, spleen, fetal brain tissue and tears.
Sequence similarities	Belongs to the calycin superfamily. Lipocalin family.
Cellular localization	Secreted.

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