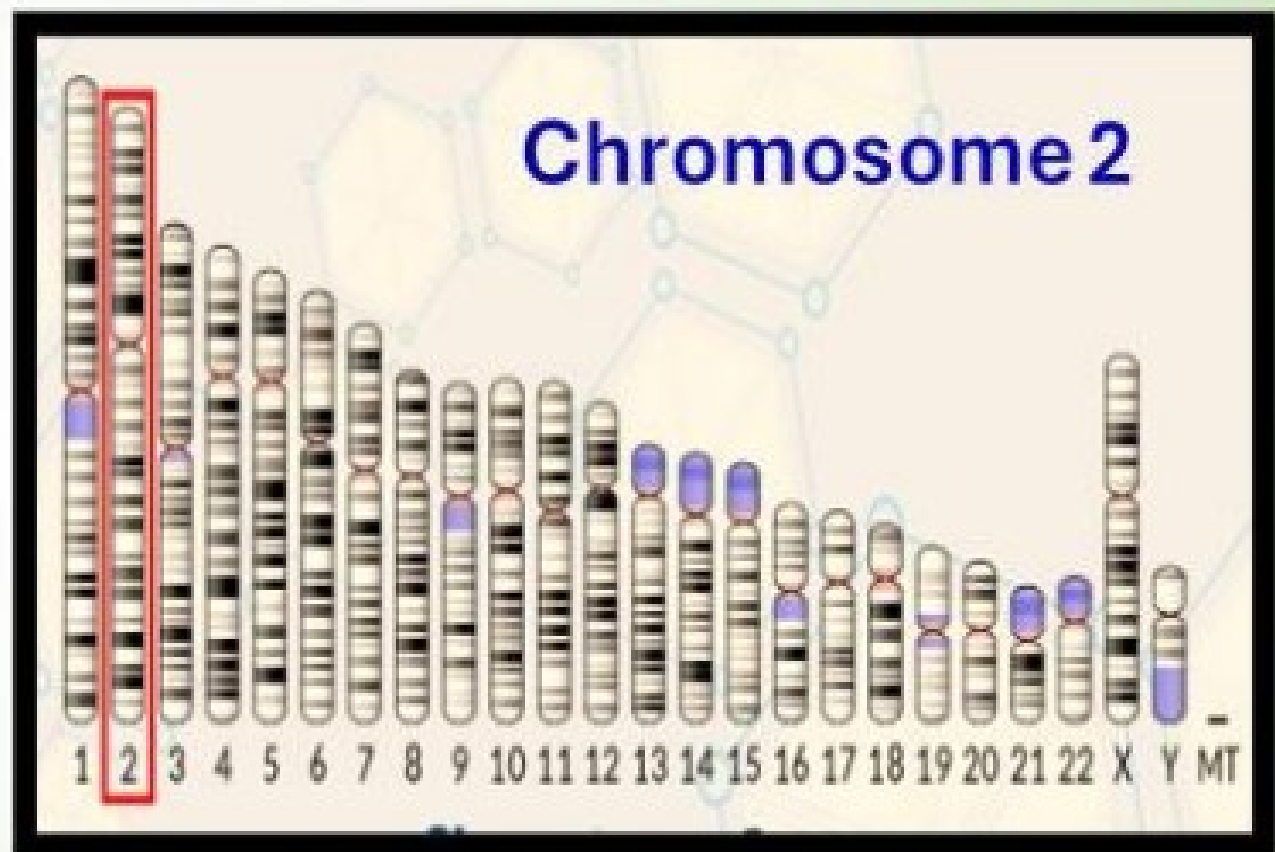


What is the **Apolipoprotein B-100?**

An Overview.



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What Is the Apolipoprotein B-100? An Overview.

Apolipoprotein B (apoB) is a structural protein that constitutes a major component of the:

- Very-low-density lipoprotein (VLDL),**
- Intermediate-density lipoprotein (IDL),**
and
- Low-density lipoprotein (LDL).**

Each of these lipoprotein particles carries one apoB molecule; as a result, the *total serum apoB level* corresponds to the total number of *VLDL, IDL, and LDL particles*.

- **Because VLDL, IDL, and LDL are considered *atherogenic*, the *apoB* level should *reflect* the *atherogenic potential* of these *lipoproteins*.**

***Cardiovascular risk* is associated more with the *number* and *size* of circulating atherogenic particles.**

***ApoB* is not equivalent to *non-LDL-C*, because the *latter* reflects the *cholesterol content* of all atherogenic lipoproteins rather than the *total number* of *circulating atherogenic particles*.**

***ApoB* plays a central role in carrying cholesterol and triglycerides from the liver and gut to utilization and storage sites.**

Because VLDL, IDL, and LDL are considered *atherogenic*, it is strived in this E-Booklet to describe Causes, Function, Molecular level, Clinical significance etc. for the enthusiastic medicos.

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