

# Hepatic lipase

**Hepatic lipase**, also called **hepatic triglyceride lipase** (HTGL) or **LIPC** (for “lipase, hepatic”), is a form of lipase, catalyzing the hydrolysis of fats. It is expressed in the liver and adrenal glands.<sup>[1]</sup>

One of the principal functions of hepatic lipase is to convert intermediate-density lipoprotein (IDL) to low-density lipoprotein (LDL).

LIPC encodes hepatic triglyceride lipase (HTGL), which is expressed in liver. LIPC has the dual functions of triglyceride hydrolase and ligand/bridging factor for receptor-mediated lipoprotein uptake.<sup>[2]</sup>

## 1 Clinical significance

Hepatic lipase deficiency is a rare, autosomal recessive disorder that results in elevated high density lipoprotein (HDL) cholesterol due to a mutation in the hepatic lipase gene. Clinical features are not well understood and there are no characteristic xanthomas. There is an association with a delay in atherosclerosis in an animal model.<sup>[3]</sup>

## 2 References

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## 3 Further reading

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## 4 External links

- hepatic lipase, human at the US National Library of Medicine Medical Subject Headings (MeSH)

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