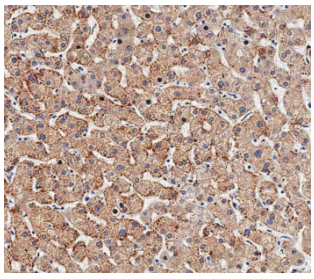
DHB13 Antibody / HSD17B13 Protein Antibody (F55058)

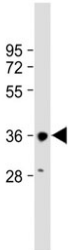
Catalog No.	Formulation	Size
F55058-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F55058-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q7Z5P4
Localization	Cytoplasm
Applications	Western blot: 1:500-1:1000 Immunohistochemistry (FFPE): 1:250-1:500
Limitations	This DHB13 Antibody / HSD17B13 Protein Antibody is available for research use only.



DHB13 Antibody Staining of Normal Human Liver IHC. Immunohistochemistry of FFPE normal human liver tissue using DHB13 Antibody. HIER was performed by steaming the tissue section in pH 9 EDTA buffer for 20 min followed by cooling before staining. Brown cytoplasmic immunoreactivity is visible throughout hepatocytes, demonstrating detection of HSD17B13 Protein in the tested liver section.



DHB13 Antibody Detection in HepG2 Human Liver Cancer Cells WB. Western blot analysis of human HepG2 hepatocellular carcinoma cell lysate using DHB13 Antibody. A prominent band is detected at approximately 34 kDa, consistent with the predicted molecular weight of HSD17B13. The discrete target band and limited additional background demonstrate detection of HSD17B13 Protein in HepG2 cells under the tested conditions.

Description

DHB13 Antibody / HSD17B13 Protein Antibody recognizes hydroxysteroid 17-beta dehydrogenase 13 (HSD17B13), also known as DHB13, a member of the short-chain dehydrogenase/reductase protein family associated with hepatic lipid metabolism. HSD17B13 is enriched in the liver and localizes prominently to intracellular lipid droplets, organelles involved in the storage and mobilization of neutral lipids. This localization places HSD17B13 at an important interface between lipid storage, metabolic regulation, and normal hepatic cellular function.

HSD17B13 Protein contains structural characteristics associated with short-chain dehydrogenase/reductase enzymes and has been investigated for enzymatic activities involving lipid-related substrates. Its association with lipid droplets is mediated in part by an N-terminal hydrophobic region, allowing the protein to participate in processes occurring at the lipid droplet surface. HSD17B13 is therefore of interest in research examining hepatic lipid accumulation, metabolic homeostasis, and cellular responses to changes in nutrient and lipid availability.

Human genetic studies have generated considerable interest in HSD17B13 because certain loss-of-function variants are associated with reduced risk of progression in chronic liver disease. These findings have connected HSD17B13 biology with metabolic dysfunction-associated steatotic liver disease, alcohol-associated liver disease, hepatic inflammation, fibrosis, and hepatocellular carcinoma. The relationship between reduced HSD17B13 function and protection from liver injury has also made the protein an important target in therapeutic research focused on chronic liver disorders.

This rabbit polyclonal DHB13 Antibody was generated against a peptide corresponding to amino acids 81-110 of human HSD17B13. NSJ Bioreagents offers this HSD17B13 Protein Antibody for researchers investigating hepatic metabolism, lipid droplet biology, and liver disease. A DHB13 Antibody provides a targeted reagent for studying the expression and biological roles of this liver-enriched metabolic protein.

For an HSD17B13 antibody with additional western blot, flow cytometry, and multi-species validation, see our HSD17B13 Antibody / SCDR9 Antibody page.

Application Notes

Titration of the DHB13 Antibody / HSD17B13 Protein Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 81-110 from the human protein was used as the immunogen for this DHB13 Antibody.

Storage

Aliquot the DHB13 Antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

HSD17B13 antibody, DHB13 antibody, Hydroxysteroid 17-beta dehydrogenase 13 antibody, SCDR9 antibody, 17-beta-HSD 13 antibody

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