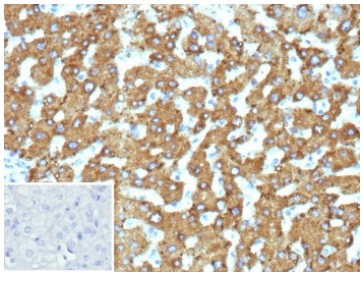
17-beta-HSD 13 Antibody HSD17B13/13104 / Lipid Droplet Protein Antibody [clone HSD17B13/13104] (V5741)

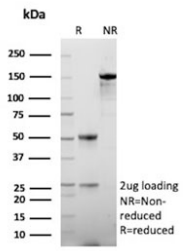
Catalog No.	Formulation	Size
V5741-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5741-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5741SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	HSD17B13/13104
Purity	Protein G affinity
UniProt	Q7Z5P4
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This 17-beta-HSD 13 Antibody HSD17B13/13104 / Lipid Droplet Protein Antibody is available for research use only.



17-beta-HSD 13 Antibody HSD17B13/13104 Staining of Human Hepatocellular Carcinoma IHC. Immunohistochemistry of FFPE human hepatocellular carcinoma tissue using 17-beta-HSD 13 Antibody, clone HSD17B13/13104. HIER was performed by boiling tissue sections in pH 9 10 mM Tris with 1 mM EDTA for 20 min followed by cooling before staining. Strong granular brown cytoplasmic immunoreactivity is visible throughout numerous tumor cells. The inset shows the PBS secondary antibody negative control, supporting detection by this Lipid Droplet Protein Antibody under the tested conditions.



Purified 17-beta-HSD 13 Antibody HSD17B13/13104 SDS-PAGE. SDS-PAGE analysis of purified, BSA-free 17-beta-HSD 13 Antibody, clone HSD17B13/13104, with 2 ug loaded under reducing (R) and non-reducing (NR) conditions. Under non-reducing conditions, the intact antibody migrates predominantly near 150 kDa. Under reducing conditions, bands corresponding to the antibody heavy and light chains are visible at approximately 50 kDa and 25 kDa, respectively. The observed banding pattern supports the integrity and purity of the monoclonal Lipid Droplet Protein Antibody preparation.

Description

17-beta-HSD 13 Antibody HSD17B13/13104 / Lipid Droplet Protein Antibody recognizes hydroxysteroid 17-beta dehydrogenase 13 (HSD17B13), a liver-enriched member of the short-chain dehydrogenase/reductase protein family. HSD17B13 is prominently associated with intracellular lipid droplets, organelles that store neutral lipids and participate in the regulation of cellular lipid metabolism. This localization has made HSD17B13 an important target for studying hepatic lipid handling and metabolic regulation.

HSD17B13 contains structural characteristics associated with short-chain dehydrogenase/reductase enzymes and has been investigated for enzymatic activities involving lipid-related substrates. An N-terminal hydrophobic region contributes to its association with lipid droplets, positioning the protein at an interface between lipid storage and cellular metabolism. As a Lipid Droplet Protein, HSD17B13 is therefore relevant to investigations of hepatic lipid accumulation, metabolic homeostasis, and the cellular response to changes in nutrient availability.

Interest in HSD17B13 has increased substantially following human genetic studies linking loss-of-function variants with reduced risk of progression in chronic liver disease. HSD17B13 is consequently studied in the context of metabolic dysfunction-associated steatotic liver disease, alcohol-associated liver disease, hepatic inflammation, fibrosis, and hepatocellular carcinoma. These genetic and biological relationships have also made the protein a potential therapeutic target in research focused on limiting liver injury and disease progression.

Clone HSD17B13/13104 is a mouse monoclonal antibody generated against human HSD17B13. NSJ Bioreagents offers this 17-beta-HSD 13 Antibody for researchers investigating hepatic metabolism, lipid droplet biology, and chronic liver disease. A 17-beta-HSD 13 Antibody provides a clone-defined reagent for studying the expression and biology of this liver-associated Lipid Droplet Protein.

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

Application Notes

Optimal dilution of the 17-beta-HSD 13 Antibody HSD17B13/13104 / Lipid Droplet Protein Antibody should be determined by the researcher.

Immunogen

A portion of amino acids 1-200 of the human protein was used as the immunogen for the 17-beta-HSD 13 Antibody HSD17B13/13104.

Storage

Aliquot the 17-beta-HSD 13 Antibody HSD17B13/13104 and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

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

DHB13 antibody, Lipid droplet protein antibody

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