

Perseus Proteomics Inc.

30-1 Nihonbashi-hakozakicho, Chuo-ku,

Tokyo, 103-0015, Japan

TEL: +81-3-6264-8268 FAX: +81-3-3668-7776

<https://www.ppmx.com>

order@ppmx.com

Anti human LRH-1 mouse monoclonal antibody

LRH-1: Liver Receptor Homologue 1

Code No. PP-H2325-00
Clone No. H2325
RRID AB_3753409
Isotype IgG3
Host mouse
Conjugate none
Alias NR5A2, B1F, B1F2, B1F-2, FTF, FTZ-F1, FTZ-F1beta, LRH1
UniProt ID O00482
Entrez Gene ID 2494 (human)

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

Not for Diagnostic or Therapeutic use. Purchase of this product does not include or carry any right to resell or transfer this product either as a standalone product or as a component of another product. Any use of this product other than the permitted use without the express written consent of Perseus Proteomics Inc. is prohibited.

Specificity This antibody specifically recognizes human LRH-1 alpha and beta and cross-reacts with mouse and rat LRH-1 alpha and beta.

Immunogen Baculovirus-expressed recombinant human LRH-1 (161–280 aa)

Concentration 1 mg/mL

Volume 100 µL

Formulation Physiological saline with 0.1% sodium azide as a preservative.

Purification Ammonium sulfate fractionation

Origin Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human LRH-1 (161–280 aa)

Storage Store at 2–8°C for up to one month. For long-term storage, aliquot and store at –20°C or below. Repeated freezing and thawing should be avoided, as it may cause degradation and result in reduced performance.

Notes Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

Application	Recommended Conc. *	Data †	References ‡	
ChIP (Chromatin immunoprecipitation)	—	—	2,6,7,11,13,15,18,19,25	§; ChIP-reChIP
CUT&RUN (Cleavage Under Targets & Release Using Nuclease)	—	—	16	
CUT&Tag (Cleavage Under Targets & Tagmentation)	—	—	19,25	
IHC-P (IF) (Immunohistochemistry-Paraffin, Immunofluo.)	—	—	24	
ICC-IF (Immunocytochemistry, Immunofluorescence)	—	—	16,20,23,25	
PLA (Proximity Ligation Assay)	—	—	25	
Super Shift / EMSA (Electrophoretic Mobility Shift Assay)	—	—	11	
IP (Immunoprecipitation)	decide by use	—	—	
ELISA	2 ng/mL	Fig. 1	—	
WB (Western Blot)	1 µg/mL	—	6,7,9,16,17,18	

* : Optimal dilutions/concentrations should be determined by the user.

† : Data figures are shown on page 2.

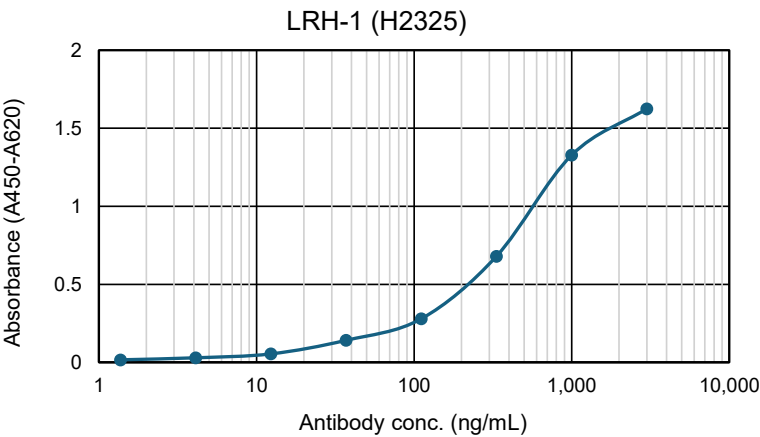
‡ : References are listed on page 2.



Full online PDF datasheet available here

Application Data

Fig. 1 Antigen-coated ELISA



Wells were coated with **human LRH-1 (161–280 aa; expressed in baculovirus)** at 1 µg/well overnight at 4°C. After blocking with non-fat dry milk for 1 h at room temperature (RT) and washing, serially diluted **anti-LRH-1 antibody (H2325)** solutions were added to each well and incubated at RT. The plate was washed, incubated with HRP-conjugated anti-mouse IgG (1:15,000) at RT, washed again, and visualized with TMB reagent.

References

1. Annicotte JS, et al. Mol Cell Biol. 2003;23(19):6713-6724.

PMID: [12972592](#)

2. Chong HK, et al. BMC Genomics. 2012;13:51.

PMID: [22296850](#)

3. Atkin SD, et al. Mol Endocrinol. 2013;27(4):598-605.

PMID: [23504956](#)

4. Bayrer JR, et al. Proc Natl Acad Sci U S A. 2015;112(8):2467-2472.

PMID: [25675535](#)

5. Kim TW, et al. Stem Cells. 2015;33(8):2442-2455.

PMID: [25944056](#)

6. Mamrosh JL, et al. Elife. 2015 Jul 24;4:e10084.

PMID: [26205891](#)

7. Wooton-Kee CR, et al. J Clin Invest. 2015;125(9):3449-3460.

PMID: [26241054](#)

8. Wagner M, et al. Hepatology. 2016;63(1):95-106.

PMID: [26267291](#)

9. Bayrer JR, et al. Nat Commun. 2018;9(1):4055.

PMID: [30305617](#)

10. Bianco S, et al. Cell Rep. 2019;28(9):2443-2454.e4.

PMID: [31461657](#)

11. Milona A, et al. Mol Metab. 2019;30:221-229.

PMID: [31767173](#)

12. Kim KP, et al. Sci Adv. 2020;6(36):eaaz7364.

PMID: [32917606](#)

13. Liu B, et al. Nature. 2020;587(7832):139-144.

PMID: [33116310](#)

14. Seacrist CD, et al. Structure. 2020;28(7):830-846.e9.

PMID: [32433991](#)

15. Birgersson M, et al. BMC Biol. 2023;21(1):277.

PMID: [38031019](#)

16. Lai F, et al. Cell Res. 2023;33(12):952-966.

PMID: [37935903](#)

17. Sun Y, et al. J Clin Invest. 2023;133(7):e163508.

PMID: [36719750](#)

18. Zapata RC, et al. Mol Psychiatry. 2023;28(5):1857-1867.

PMID: [36765131](#)

19. Zheng Q, et al. J Exp Clin Cancer Res. 2023;42(1):323.

PMID: [38012687](#)

20. Festuccia N, et al. Science. 2024;386(6717):eadg7325.

PMID: [39361745](#)

21. Zhao R, et al. Cell Death Dis. 2024;15(10):770.

PMID: [39438459](#)

22. Mine H, et al. BMC Cancer. 2025;25(1):764

PMID: [40269773](#)

23. Ren Y, et al. Nat Cell Biol. 2025;27(11):1993-2006.

PMID: [41094030](#)

24. Song L, et al. Cell Metab. 2025;37(1):104-120.e9.

PMID: [39393353](#)

25. Kobayashi W, et al. Development. 2026;153(1):dev205059.

PMID: [41355514](#)