Datasheet for ABIN2668732

# anti-NR1H2 antibody (N-Term)

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## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | NR1H2 |
| Binding Specificity: | N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NR1H2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ChIP DNA-Sequencing (ChIP-seq), Chromatin Immunoprecipitation (ChIP) |

## Product Details

| | |
|---|---|
| Immunogen: | This LXR-beta antibody was raised against a peptide in the N-terminal region of human LXR-beta. |
| Isotype: | IgG |
| Purification: | Affinity Purified |

## Target Details

| | |
|---|---|
| Target: | NR1H2 |
| Alternative Name: | LXR-beta (NR1H2 Products) |
| Molecular Weight: | 55 kDa |

## Target Details

| | |
|---|---|
| Gene ID: | 7376 |
| Pathways: | Nuclear Receptor Transcription Pathway, Retinoic Acid Receptor Signaling Pathway, Steroid Hormone Mediated Signaling Pathway, Nuclear Hormone Receptor Binding |

## Application Details

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|---|---|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze/thaw cycles and keep on ice when not in storage. |
| Storage: | -20 °C |
| Storage Comment: | Antibodies in solution can be stored at -20 °C for 2 years. |
| Expiry Date: | 6 months |

## Publications

Product cited in:

Calderón-Gonzalez, Terán-Navarro, Frande-Cabanes, Ferrández-Fernández, Freire, Penadés, Marradi, García, Gomez-Román, Yañez-Díaz, Álvarez-Domínguez: "Pregnancy Vaccination with Gold Glyco-Nanoparticles Carrying Listeria monocytogenes Peptides Protects against Listeriosis and Brain- and Cutaneous-Associated Morbidities." in: **Nanomaterials (Basel, Switzerland)**, Vol. 6, Issue 8, (2016) (PubMed).

Kastner, Dussurget, Archambaud, Kernbauer, Soulat, Cossart, Decker: "LipA, a tyrosine and lipid phosphatase involved in the virulence of Listeria monocytogenes." in: **Infection and immunity**, Vol. 79, Issue 6, pp. 2489-98, (2011) (PubMed).

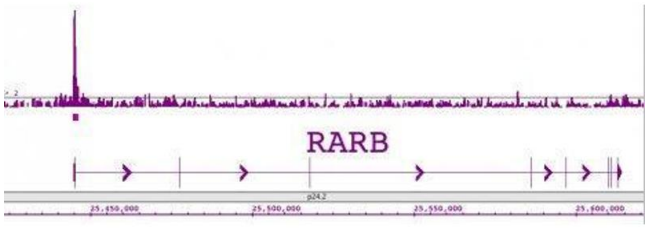
Sun, ORiordan: "Branched-chain fatty acids promote Listeria monocytogenes intracellular infection and virulence." in: **Infection and immunity**, Vol. 78, Issue 11, pp. 4667-73, (2010) ( PubMed).

## Publications

Bahey-El-Din, Casey, Griffin, Gahan: "Lactococcus lactis-expressing listeriolysin O (LLO) provides protection and specific CD8(+) T cells against Listeria monocytogenes in the murine infection model." in: **Vaccine**, Vol. 26, Issue 41, pp. 5304-14, (2008) (PubMed).

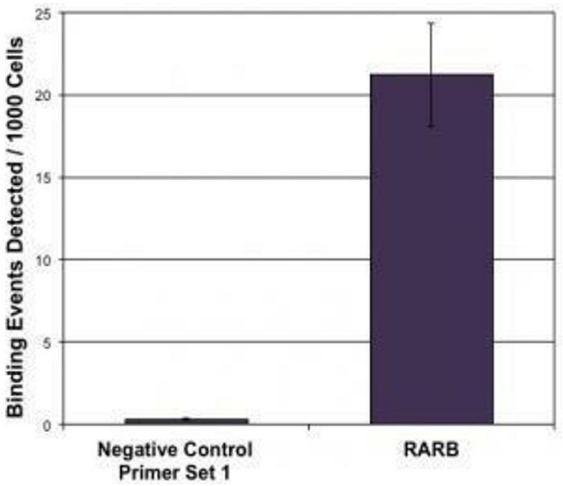
Port, Freitag: "Identification of novel Listeria monocytogenes secreted virulence factors following mutational activation of the central virulence regulator, PrfA." in: **Infection and immunity**, Vol. 75, Issue 12, pp. 5886-97, (2008) (PubMed).

## Images



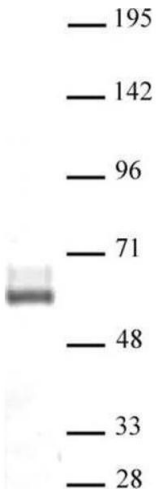

**Chromatin Immunoprecipitation**

**Image 1.** LXR-β pAb tested by ChIP-Chip. ChIP was performed using the ChIP-IT® High Sensitivity Kit (Cat. No. 53040) with chormatin from 2.5 million primary human liver cells. ChIP DNA was amplified by WGA, labeled and hybridized to a human tiling array. The image is zoomed in to show LXR-β binding at a known LXR binding site in the RARB promoter.




**Chromatin Immunoprecipitation**

**Image 2.** LXR-β pAb tested by ChIP-qPCR. Chromatin immunoprecipitation (ChIP) was performed using the ChIP-IT® High Sensitivity Kit (Cat. No. 53040) with 25 µg of human liver chromatin and 10 µl of LXR-β antibody. ChIP DNA was used in qPCR with the negative control primer pairs and primers against the known LXR binding site in the RARB promoter. Data are presented as Binding Events Detected per 1000 Cells using Active Motif's Epigenetic Services normalization scheme which accounts for primer efficiency and the amount of chromatin used in the ChIP reaction.




**Western Blotting**

**Image 3.** LXR-β pAb tested by Western blot. Detection of LXR-β by Western blot analysis. HeLa whole-cell extract (20 µg) was probed with LXR-β pAb at a 1:1000 dilution.