NR1H2
Monoclonal ANTIBODY

Catalog Number: 60345-1-Ig

Basic Information

- **Catalog Number:** 60345-1-Ig
- **GenBank Accession Number:** BC047790
- **Recommended Dilutions:** WB 1:500-1:2000
- **Size:** 150 μg/150 μl
- **Source:** Mouse
- **Isotype:** IgG1
- **Purification Method:** Protein G purification
- **Immunogen Catalog Number:** AG5635

- **GenBank Accession Number:** BC047790
- **GeneID (NCBI):** 7376
- **Full Name:** nuclear receptor subfamily 1, group H, member 2
- **Calculated MW:** 51 kDa
- **Observed MW:** 51 kDa

- **Recommended Dilutions:** WB 1:500-1:2000
- **Positive Controls:**
  - WB: human liver tissue; pig liver tissue

Applications

- **Tested Applications:** WB, ELISA
- **Cited Applications:** WB
- **Species Specificity:** human, pig
- **Cited Species:** human

Background Information

NR1H2, also known as LXRβ, is a liver X receptors, which form a subfamily of the nuclear receptor superfamily and are key regulators of macrophage function, controlling transcriptional programs involved in lipid homeostasis and inflammation. It preferentially bind to double-stranded oligonucleotide direct repeats, which have the consensus half-site sequence 5'-AGGTCA-3' and 4-nt spacing (DR-4). It involves in the regulation of cholesterol uptake through MYLIP-dependent ubiquitination of LDLR, VLDLR and LRP1.

Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>PubMed ID</th>
<th>Journal</th>
<th>Application</th>
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</thead>
<tbody>
<tr>
<td>Fenghua Guo</td>
<td>30234020</td>
<td>Biochem Biophys Res Commun</td>
<td>WB</td>
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<tr>
<td>Ying Liu</td>
<td>30306865</td>
<td>J Lipid Res</td>
<td>WB</td>
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<tr>
<td>Ying Liu</td>
<td>26268612</td>
<td>J Lipid Res</td>
<td>WB</td>
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Storage

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage**
human liver tissue were subjected to SDS-PAGE followed by western blot with 80345-Hlg NR1H2 Antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.