

**Mouse Nr5a2 Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP21181c****Specification**

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**Mouse Nr5a2 Blocking Peptide (Center) - Product Information**Primary Accession [P45448](#)**Mouse Nr5a2 Blocking Peptide (Center) - Additional Information****Gene ID** 26424**Other Names**

Nuclear receptor subfamily 5 group A member 2, Liver receptor homolog 1, LRH-1, Nr5a2, Lrh1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 200-213 of HUMAN Nr5a2

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Mouse Nr5a2 Blocking Peptide (Center) - Protein Information****Name** Nr5a2**Synonyms** Lrh1**Function**

Nuclear receptor that acts as a key metabolic sensor by regulating the expression of genes involved in bile acid synthesis, cholesterol homeostasis and triglyceride synthesis. Together with the oxysterol receptors NR1H3/LXR-alpha and NR1H2/LXR-beta, acts as an essential transcriptional regulator of lipid metabolism. Plays an anti-inflammatory role during the hepatic acute phase response by acting as a corepressor: inhibits the hepatic acute phase response by preventing dissociation of the N-Cor corepressor complex. Key regulator of cholesterol 7-alpha-hydroxylase gene (CYP7A) expression in liver. May also contribute to the regulation of pancreas-specific genes and play important roles in embryonic development (By similarity). Activates the transcription of CYP2C38 (PubMed: <http://www.uniprot.org/citations/30555544> target="\_blank">30555544</a>).

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:O00482}.

### **Mouse Nr5a2 Blocking Peptide (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **Mouse Nr5a2 Blocking Peptide (Center) - Images**

### **Mouse Nr5a2 Blocking Peptide (Center) - Background**

Binds to promoters containing the sequence element 5'- AACGACCGACCTTGAG-3'. Plays a role in the regulation of gene expression in liver and pancreas. May play a role in embryonic development (By similarity).

### **Mouse Nr5a2 Blocking Peptide (Center) - References**

Tugwood J.D.,et al.Submitted (FEB-1992) to the EMBL/GenBank/DDBJ databases.  
Sablin E.P.,et al.Mol. Cell 11:1575-1585(2003).  
Li Y.,et al.Proc. Natl. Acad. Sci. U.S.A. 102:9505-9510(2005).