10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Nr5a2 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP21181c

Specification

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:30555544).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:O00482}.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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).