

AP22491PU-N**Polyclonal Antibody to NR1H2 (2-15) - Aff - Purified****Alternate names:**

LXRB, Liver X receptor beta, NER, Nuclear orphan receptor LXR-beta, Nuclear receptor NER, Nuclear receptor subfamily 1 group H member 2, Oxysterols receptor LXR-beta, UNR, Ubiquitously-expressed nuclear receptor

Quantity:

50 µg

Concentration:

0.5 mg/ml

Background:

Liver X receptor beta (LXR beta), a NR1 thyroid hormone-like receptor, has been shown to affect cholesterol and bile acid metabolism, as well as fatty acid metabolism. LXR beta mediates gene products controlling intracellular cholesterol homeostasis through the interaction with oxysterols including 22(R)-hydroxycholesterol, 24(S)-hydroxycholesterol, and 24(S),25-epoxycholesterol. LXR beta binds as a heterodimer to target sequences with retinoid X receptors and has been shown to activate a diverse set of genes involved in cholesterol and fatty acid metabolism, including ABCA1, ABCG5, ABCG8, SREBP-1c, fatty acid synthase (FAS), and the apoE/C-I/C-IV/C-II gene cluster upon ligand activation. Recently both LXR alpha and LXR beta have been shown to be important factors in atherosclerosis (Tangirala et al. 2002).

Uniprot ID:[P55055](#)**NCBI:**[NP_009052](#)**GeneID:**[7376](#)**Host:**

Goat

Immunogen:

Synthetic peptide from (N-term) of human NR1H2

Genename: NR1H2**AA Sequence:**

SSPTTSSLDTPLPGC

Remarks: Percent identity by BLAST analysis: Human, Gorilla, Gibbon (100%); Marmoset, Rat, Panda, Dog, Pig (93%); Monkey, Mouse, Hamster, Elephant, Rabbit (86%)**Format:****State:** Liquid Ig fraction**Purification:** Immunoaffinity chromatography**Buffer System:** Tris saline buffer, pH 7.3, 0.5% BSA, 0.02% sodium azide**Applications:****ELISA:** 1/64000.**Immunohistochemistry on Paraffin Sections:** 3 µg/ml.**Western Blot:** 1 - 3 µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody detects NR1H2 (N-term).

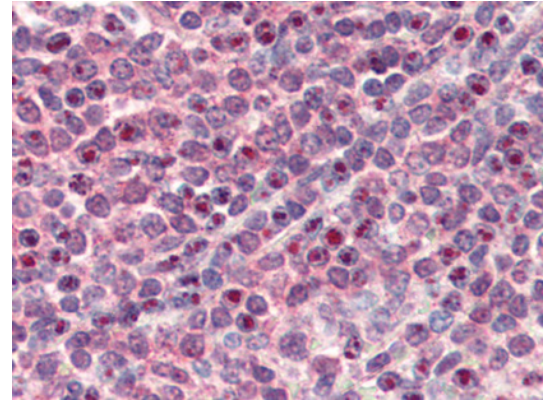
Species Reactivity:**Tested:** Human, Gorilla, Gibbon, Marmoset, Rat, Panda, Dog, Pig, Monkey, Mouse, Hamster, Elephant, Rabbit

Storage:

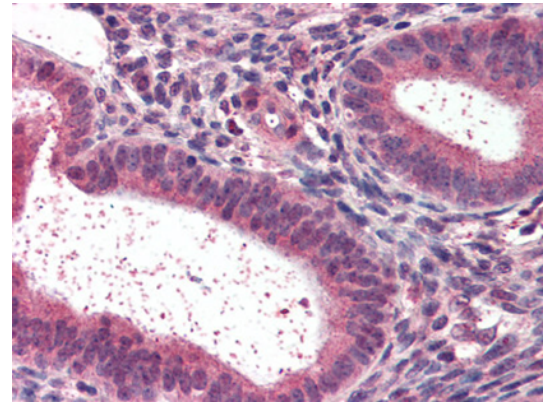
Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:

Human Spleen (formalin-fixed, paraffin-embedded) stained with NR1H2 antibody AP22491PU-N at 3 µg/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Uterus (formalin-fixed, paraffin-embedded) stained with NR1H2 antibody AP22491PU-N at 3 µg/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Antibody (1 µg/ml) staining of human bone marrow lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

