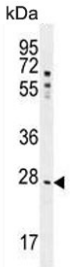
NR0B2 Antibody (F54571)

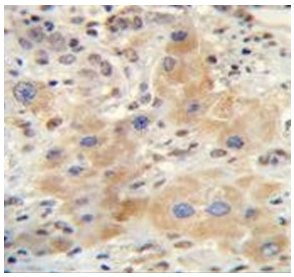
Catalog No.	Formulation	Size
F54571-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54571-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

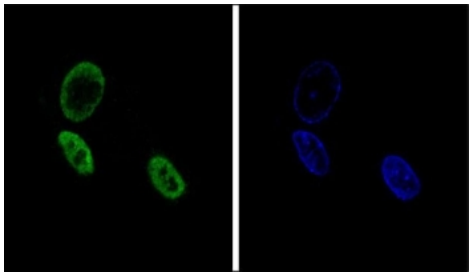
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q15466
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25 Immunofluorescence : 1:25 Flow Cytometry : 1:25 (1x10e6 cells)
Limitations	This NR0B2 antibody is available for research use only.



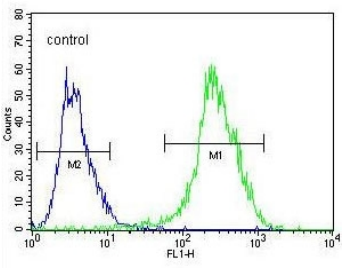
Western blot testing of human HepG2 cell lysate with NR0B2 antibody. Predicted molecular weight ~28 kDa.



IHC testing of FFPE human hepatocarcinoma tissue with NR0B2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HepG2 cells with NR0B2 antibody (green) and DAPI nuclear stain (blue).



Flow cytometry testing of human HepG2 cells with NR0B2 antibody; Blue=isotype control, Green= NR0B2 antibody.

Description

The protein encoded by this gene is an unusual orphan receptor that contains a putative ligand-binding domain but lacks a conventional DNA-binding domain. The gene product is a member of the nuclear hormone receptor family, a group of transcription factors regulated by small hydrophobic hormones, a subset of which do not have known ligands and are referred to as orphan nuclear receptors. The protein has been shown to interact with retinoid and thyroid hormone receptors, inhibiting their ligand-dependent transcriptional activation. In addition, interaction with estrogen receptors has been demonstrated, leading to inhibition of function. Studies suggest that the protein represses nuclear hormone receptor-mediated transactivation via two separate steps: competition with coactivators and the direct effects of its transcriptional repressor function.

Application Notes

The stated application concentrations are suggested starting points. Titration of the NR0B2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 56-83 from the human protein was used as the immunogen for the NR0B2 antibody.

Storage

Aliquot the NR0B2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.