Product datasheet

# Anti-NR1I3 Antibody (Clone#OTI1B2)

**Catalog Number: *M02858-1***

BOSTER®
antibody and ELISA experts
**BOSTER BIOLOGICAL TECHNOLOGY**
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
***Web:*** www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

## Basic Information

| | |
|---|---|
| **Product Name** | Anti-NR1I3 Antibody (Clone#OTI1B2) |
| **Gene Name** | NR1I3 |
| **Source** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2a |
| **Species Reactivity** | human |
| **Tested Application** | IHC, WB |
| **Contents** | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Immunogen** | Human recombinant protein fragment corresponding to amino acids 1-236 of human NR1I3 (NP_001070950) produced in E.coli. |
| **Concentration** | 500 ug/ml |
| **Purification** | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| **Observed MW** | 40.3 kDa |
| **Dilution Ratios** | Western blot (WB): 1:2000<br>Immunohistochemistry (IHC):1:150 |

## Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

## Background Information

This gene encodes a member of the nuclear receptor superfamily, and is a key regulator of xenobiotic and endobiotic metabolism. The protein binds to DNA as a monomer or a heterodimer with the retinoid X receptor and regulates the transcription of target genes involved in drug metabolism and bilirubin clearance, such as cytochrome P450 family members. Unlike most nuclear receptors, this transcriptional regulator is constitutively active in the absence of ligand but is regulated by both agonists and inverse agonists. Ligand binding results in translocation of this protein to the nucleus, where it activates or represses target gene transcription. These ligands include bilirubin, a variety of foreign compounds, steroid hormones, and prescription drugs. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

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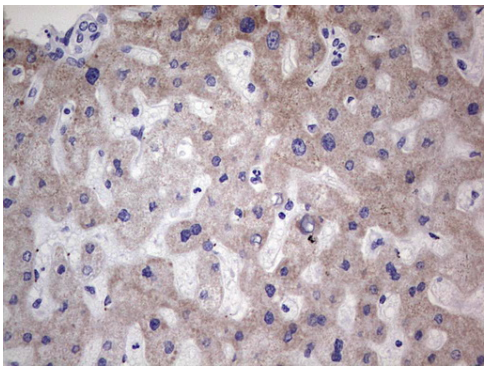
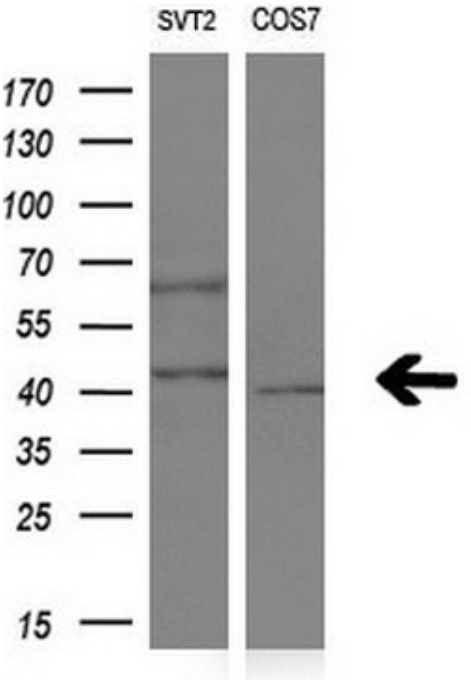
## Selected Validation Data



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-NR1I3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, M02858-1)




Western blot analysis of extracts (10ug) from 2 different cell lines by using anti-NR1I3 monoclonal antibody (1:200).