

Nur77 (phospho Ser351) Polyclonal Antibody

Catalog No: YP1019

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: Nur77

Fields: >>MAPK signaling pathway;>>PI3K-Akt signaling pathway;>>Aldosterone

synthesis and secretion;>>Cortisol synthesis and secretion;>>Cushing syndrome

Gene Name: NR4A1

Protein Name: Nuclear receptor subfamily 4 group A member 1

P22736

P12813

Human Gene Id: 3164

Human Swiss Prot

No:

Mouse Gene Id: 15370

Mouse Swiss Prot

No:

Rat Gene Id: 79240

Rat Swiss Prot No: P22829

Immunogen: The antiserum was produced against synthesized peptide derived from human

Nuclear Receptor NR4A1 around the phosphorylation site of Ser351. AA

range:317-366

Specificity: Phospho-Nur77 (S351) Polyclonal Antibody detects endogenous levels of Nur77

protein only when phosphorylated at S351.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

1/3



Dilution: WB 1:500-2000 IHC 1:100 - 1:300. ELISA: 1:40000. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 65-70kD

Cell Pathway : MAPK_ERK_Growth;MAPK_G_Protein;

Background : This gene encodes a member of the steroid-thyroid hormone-retinoid receptor

superfamily. Expression is induced by phytohemagglutinin in human lymphocytes and by serum stimulation of arrested fibroblasts. The encoded protein acts as a nuclear transcription factor. Translocation of the protein from the nucleus to mitochondria induces apoptosis. Multiple transcript variants encoding different

isoforms have been found for this gene. [provided by RefSeq, Jan 2011],

Function: function:Orphan nuclear receptor.,induction:By growth-stimulating

agents.,similarity:Belongs to the nuclear hormone receptor

family.,similarity:Belongs to the nuclear hormone receptor family. NR4 subfamily.,similarity:Contains 1 nuclear receptor DNA-binding

domain., subunit: Interacts with GADD45GIP1., tissue specificity: Fetal muscle and

adult liver, brain and thyroid.,

Subcellular

Nucleus . Cytoplasm . Mitochondrion . Nuclear export to the cytoplasm is

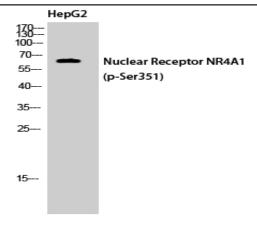
Location : XPO1-mediated and positively regulated by IFI27 (PubMed:22427340).

Translocation to the mitochondrion upon interaction with RXRA and upon the

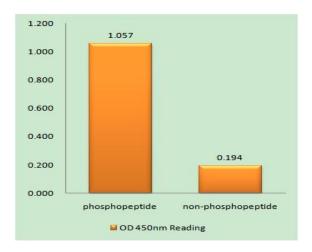
presence of 9-cis retinoic acid (PubMed:17761950).

Expression: Fetal muscle and adult liver, brain and thyroid.

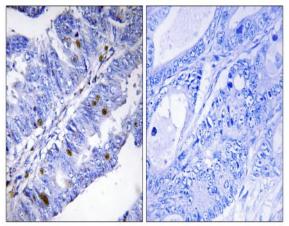
Products Images



Western Blot analysis of HepG2 cells using Phospho-Nur77 (S351) Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Nuclear Receptor NR4A1 (Phospho-Ser351) Antibody



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using Nuclear Receptor NR4A1 (Phospho-Ser351) Antibody. The picture on the right is blocked with the phospho peptide.