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ARG66688
anti-Nur77 / TR3 phospho (Ser351) antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Nur77 / TR3 phospho (Ser351)
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	The antibody detects Nur77 protein only when phosphorylated at Ser351.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Nur77 / TR3
Species	Human
Immunogen	Phosphospecific peptide around Ser351 of Human Nur77 / TR3.
Conjugation	Un-conjugated
Alternate Names	ST-59; N10; Nur77; GFRP1; Testicular receptor 3; NP10; NAK-1; HMR; Orphan nuclear receptor TR3; Nuclear hormone receptor NUR/77; Orphan nuclear receptor HMR; Early response protein NAK1; NGFIB; TR3; NUR77; Nuclear receptor subfamily 4 group A member 1

Application Instructions

Application table

Application	Dilution
IHC-P	1:100 - 1:300
WB	Assay-dependent

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	HepG2
Observed Size	~ 64 kDa

Properties

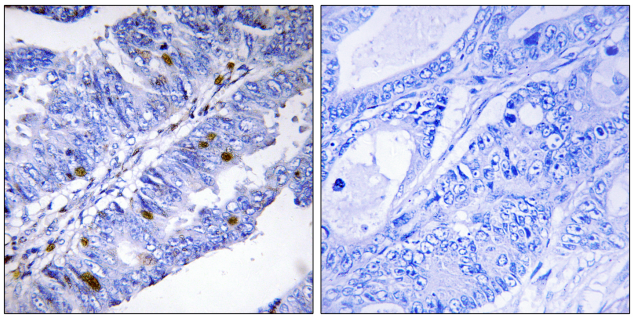
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

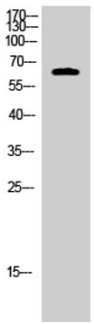
Gene Symbol	NR4A1
Gene Full Name	nuclear receptor subfamily 4, group A, member 1
Background	This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. Expression is induced by phytohemagglutinin in human lymphocytes and by serum stimulation of arrested fibroblasts. The encoded 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	Orphan nuclear receptor. May act concomitantly with NURR1 in regulating the expression of delayed-early genes during liver regeneration. Binds the NGFI-B response element (NBRE) 5'-AAAAGGTCA-3' (By similarity). May inhibit NF-kappa-B transactivation of IL2. Participates in energy homeostasis by sequestrating the kinase STK11 in the nucleus, thereby attenuating cytoplasmic AMPK activation. [UniProt]
Calculated Mw	64 kDa
PTM	Phosphorylated at Ser-351 by RPS6KA1 and RPS6KA3 in response to mitogenic or stress stimuli. Acetylated by p300/CBP, acetylation increases stability. Deacetylated by HDAC1. [UniProt]
Cellular Localization	Cytoplasm. Nucleus. [UniProt]

Images



ARG66688 anti-Nur77 / TR3 phospho (Ser351) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon carcinoma tissue stained with ARG66688 anti-Nur77 / TR3 phospho (Ser351) antibody. The picture on the right is blocked with the phospho peptide.



ARG66688 anti-Nur77 / TR3 phospho (Ser351) antibody WB image

Western blot: HepG2 cell nucleus lysate stained with ARG66688 anti-Nur77 / TR3 phospho (Ser351) antibody.