

Polyclonal Antibody to Nerve Growth Factor IB (NGFIB)

Nerve Growth Factor IB

Catalog # AP74619

Product Information

Application	WB
Primary Accession	P22829
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64282

Additional Information

Gene ID	79240
Other Names	GFRP1; HMR; N10; NAK-1; NGFIB; NP10; NUR77; TR3; DHR38; TIS1; Orphan nuclear receptor HMR; Testicular receptor 3; Nuclear receptor subfamily 4 group A member 1
Target/Specificity	Rattus norvegicus (Rat)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL;1:170-650 Immunohistochemistry: 5-20 μ g/mL;1:17-65 Immunocytochemistry: 5-20 μ g/mL;1:17-65 Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Nr4a1
Synonyms	Hmr, Ngfib
Function	Orphan nuclear receptor. Binds the NGFI-B response element (NBRE) 5'-AAAGGTCA-3' (PubMed: 10331876). Binds 9-cis-retinoic acid outside of its ligand-binding (NR LBD) domain (By similarity). Participates in energy homeostasis by sequestering the kinase STK11 in the nucleus, thereby attenuating cytoplasmic AMPK activation (By similarity). Regulates the inflammatory response in macrophages by regulating metabolic adaptations during inflammation, including repressing the transcription of genes involved in the citric acid cycle (TCA) (By similarity). Inhibits NF-kappa-B signaling by binding to low- affinity NF-kappa-B binding sites, such as at the IL2 promoter (By similarity). May act concomitantly with NR4A2 in regulating the expression

of delayed-early genes during liver regeneration (PubMed:[8473329](#)). Plays a role in the vascular response to injury (By similarity).

Cellular Location

Nucleus. Cytoplasm, cytosol {ECO:0000250|UniProtKB:P22736}. Mitochondrion {ECO:0000250|UniProtKB:P22736}. Note=Nuclear export to the cytosol is XPO1-mediated and positively regulated by IFI27. Translocation to the mitochondrion upon interaction with RXRA and upon the presence of 9-cis retinoic acid (By similarity). {ECO:0000250|UniProtKB:P22736}

Tissue Location

Expressed in lung, brain and superior cervical ganglia. High levels are seen in the adrenal tissue

Images

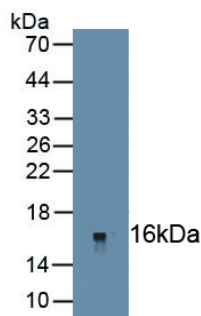


Figure. Western Blot; Sample: Recombinant NGFIB, Rat.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.