

NR3C1 Ab

Cat.#: BF0343
Size: 50ul,100ul,200ul

Concn.: 1mg/ml
Source: Mouse

Mol.Wt.: 86kDa
Clonality: Monoclonal

| | |
|-----------------------|---|
| Application: | ELISA 1/10000, WB 1/500 - 1/2000, IHC 1/200 - 1/1000, ICC 1/200 - 1/1000, FCM 1/200 - 1/400 |
| Reactivity: | Human |
| Purification: | Affinity-chromatography. |
| Specificity: | NR3C1 Ab detects endogenous levels of total NR3C1. |
| Immunogen: | Purified recombinant fragment of human NR3C1 expressed in E. Coli. |
| Uniprot: | P04150 |
| Description: | <p>The protein encoded by this gene is a receptor for glucocorticoids and can act as both a transcription factor and a regulator of other transcription factors. The encoded protein can bind DNA as a homodimer or as a heterodimer with another protein such as the retinoid X receptor. This protein can also be found in heteromeric cytoplasmic complexes along with heat shock factors and immunophilins. The protein is typically found in the cytoplasm until it binds a ligand, which induces transport into the nucleus. Mutations in this gene are a cause of glucocorticoid resistance, or cortisol resistance. Alternate splicing, the use of at least three different promoters, and alternate translation initiation sites result in several transcript variants encoding the same protein or different isoforms, but the full-length nature of some variants has not been determined.</p> |
| Subcellular Location: | Cytoplasm. Nucleus. Cytoplasmic in the absence of ligand; nuclear after ligand-binding. |
| Tissue Specificity: | <p>Widely expressed including bone, stomach, lung, liver, colon, breast, ovary, pancreas and kidney (PubMed:25847991). In the heart, detected in left and right atria, left and right ventricles, aorta, apex, intraventricular septum, and atrioventricular node as well as whole adult and fetal heart (PubMed:10902803). Isoform Beta: Widely expressed including brain, bone marrow, thymus, spleen, liver, kidney, pancreas, lung, fat, skeletal muscle, heart, placenta and blood leukocytes (PubMed:7769088, PubMed:8621628). Isoform Alpha-2: Expressed at low level.</p> |
| Similarity: | Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand- |

binding domain (PubMed:3841189). The ligand-binding domain is required for correct chromosome segregation during mitosis although ligand binding is not required (PubMed:25847991).Belongs to the nuclear hormone receptor family. NR3 subfamily.

Storage Condition and Buffer:

Mouse IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

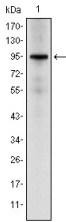


Figure 1: Western blot analysis using NR3C1 mouse mAb against Hela cell lysate.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.