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NR2C2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NR2C2.
Catalog # AT3100a

Product Information

Application	WB, IHC
Primary Accession	P49116
Other Accession	NM_003298
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2A5
Calculated MW	65414

Additional Information

Gene ID	7182
Other Names	Nuclear receptor subfamily 2 group C member 2, Orphan nuclear receptor TAK1, Orphan nuclear receptor TR4, Testicular receptor 4, NR2C2, TAK1, TR4
Target/Specificity	NR2C2 (NP_003289, 43 a.a. ~ 152 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	NR2C2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

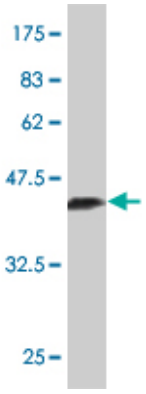
Members of the nuclear hormone receptor family, such as NR2C2, act as ligand-activated transcription factors. The proteins have an N-terminal transactivation domain, a central DNA-binding domain with 2 zinc fingers, and a ligand-binding domain at the C terminus. The activated receptor/ligand complex is translocated to the nucleus where it binds to hormone response elements of target genes (Yoshikawa et al., 1996 [PubMed 8661150]).

References

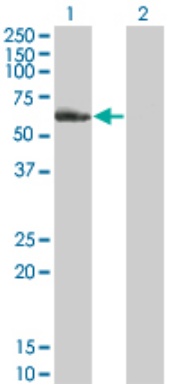
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype

score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Constitutive association of TGF-beta-activated kinase 1 with the IkappaB kinase complex in the nucleus and cytoplasm of human neutrophils and its impact on downstream processes. Ear T, et al. J Immunol, 2010 Apr 1. PMID 20200282.NF-kappaB activation in T cells requires discrete control of IkappaB kinase alpha/beta (IKKalpha/beta) phosphorylation and IKKgamma ubiquitination by the ADAP adapter protein. Srivastava R, et al. J Biol Chem, 2010 Apr 9. PMID 20164171.Human T cell lymphotropic virus 1 manipulates interferon regulatory signals by controlling the TAK1-IRF3 and IRF4 pathways. Suzuki S, et al. J Biol Chem, 2010 Feb 12. PMID 19955181.Human testicular orphan receptor 4 enhances thyroid hormone receptor signaling. Huang YH, et al. J Cell Physiol, 2010 Feb. PMID 19859911.

Images

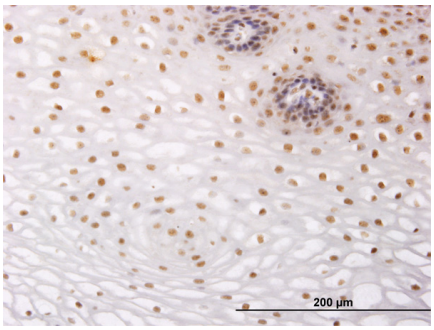


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



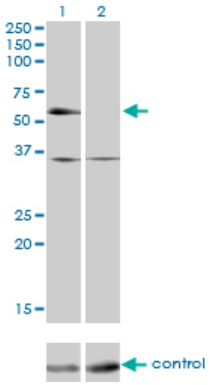
Western Blot analysis of NR2C2 expression in transfected 293T cell line by NR2C2 monoclonal antibody (M01), clone 2A5.

Lane 1: NR2C2 transfected lysate(65.414 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to NR2C2 on formalin-fixed paraffin-embedded human esophagus. [antibody concentration 3 ug/ml]

Western blot analysis of NR2C2 over-expressed 293 cell line, cotransfected with NR2C2 Validated Chimera RNAi ((Cat # AT3100a)



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