Rabbit Testicular Receptor 2 (TR2) Polyclonal Antibody | anti-NR2C1 antibody

Anti-Testicular Receptor 2 (TR2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72810	**Rabbit**	**Human, mouse, rat**	**Western Blot**

PRODUCT SYNONYMS

Testicular Receptor 2 (TR2); Polyclonal Antibody; Anti-Testicular Receptor 2 (TR2); anti-NR2C1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Specificity	Specific for the ~64 kDa TR2 protein in Western blots of testes and nuclear extracts from MEL cell lines.
Purity/Purification	Neat Serum
Form/Format	neat serum
Sequence Length	590
Applicable Applications for anti-NR2C1 antibody	WB (Western Blot)
Antigen	Fusion protein from N-terminal peptide of mouse TR2.
Immunogen Information	Fusion protein from the N-terminal region of mouse TR2
Immunogen Species	Mouse
Species Reactivity Note	The antibody has been directly tested for reactivity in mouse, human and rat.
Biological Significance	Testicular receptor 2 (TR2) is a member of the orphan nuclear receptor family. It is widely expressed at a low level throughout the adult testis. TR2 represses transcription and binds DNA directly interacting with HDAC3 and HDAC4 via DNA-binding domains (Franco et al., 2003). TR2 has also been implicated in regulation of estrogen receptor activity in mammary glands (Hun et al., 2002). In addition, TR2 has recently been shown to form a heterodimer with TR4 that can bind to the direct repeat 6 element of the hepatitis B virus (HBV) enhancer II region thus suppressing HBV gene expression (Lin et al., 2008).
Preparation and Storage	Store at -20 degree C in undiluted aliquots; stable for at least one year after date of receipt. Avoid freeze/thaw cycles.

IMAGES

Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-NR2C1 antibody	Rabbit polyclonal antibody

References	• Franco PJ, Li G, Wei LN (2003) Interaction of nuclear receptor zinc finger DNA binding domains ith histone deacetylase. Mol Cell Endocrinol. 206(1-2):1-12. • Hu YC, Shyr CR, Che W, Mu XM, Kim E, Chang C. (2002) Suppression of estrogen receptor- mediated transcription and cell growth by interaction with TR2 orphan receptor. J Biol Chem. 002 277(37):33571-9. • Lin TJ, Yang RY, Lee HJ. (2008) Collective repression of the hepatitis B virus enhancer II by human TR4 and TR2 orphan receptors. Hepatol Res. 38(1):79-84. • Tanabe O, McPhee D, Kobayashi S, Shen Y, Brandt W, Jiang X, Campbell AD, Chen YT, Chang C, Yamamoto M, Tanimoto K, Engel JD. "Embryonic and fetal beta-globin gene repression by the orphan nuclear receptors, TR2 and TR4." EMBO J. 2007, 26:2295-306.

NCBI AND UNIPROT INFORMATION

NCBI GI #	171846245
NCBI GeneID	22025
NCBI Accession #	NP_035759.3
NCBI GenBank Nucleotide #	NM_011629.3
UniProt Accession #	Q505F1; P97763; Q0VGP8; Q3UIJ7; Q4U1Z4; Q60927; Q62152; Q8VIJ3
Molecular Weight	64
NCBI Official Full Name	nuclear receptor subfamily 2 group C member 1
NCBI Official Synonym Full Names	nuclear receptor subfamily 2, group C, member 1
NCBI Official Symbol	Nr2c1
NCBI Official Synonym Symbols	TR2; 80.3; Eenr; Tr2-11; 4831444H07Rik
NCBI Protein Information	nuclear receptor subfamily 2 group C member 1; mTR2; 80-3 cNDA; testicular receptor 2; orphan receptor, TR2-11; orphan nuclear receptor TR2; early embryonic nuclear receptor; nuclear receptor subfamily 2, group H, member 1
UniProt Protein Name	Nuclear receptor subfamily 2 group C member 1
UniProt Gene Name	**Nr2c1**
UniProt Synonym Gene Names	Tr2; Tr2-11; mTR2
UniProt Entry Name	NR2C1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/testicular-receptor-2-tr2-antibody-western-blot-elisa/72810