

**Testicular Receptor 2 (TR2) Antibody**  
Rabbit polyclonal antibody.  
Catalog # AN1181

**Specification**

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**Testicular Receptor 2 (TR2) Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q505F1</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Calculated MW	64 KDa

**Testicular Receptor 2 (TR2) Antibody - Additional Information**

Gene ID	22025
Gene Name	NR2C1

**Other Names**

Nuclear receptor subfamily 2 group C member 1, Orphan nuclear receptor TR2, Testicular receptor 2, mTR2, Nr2c1 {ECO:0000312|MGI:MGI:1352465}

**Target/Specificity**

Fusion protein from the N-terminal region of mouse TR2.

**Dilution**

WB~~ 1:1000

**Format**

neat serum.

**Antibody Specificity**

Specific for the ~64 kDa TR2 protein in Western blots of testes and nuclear extracts from MEL cell lines.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Testicular Receptor 2 (TR2) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping**

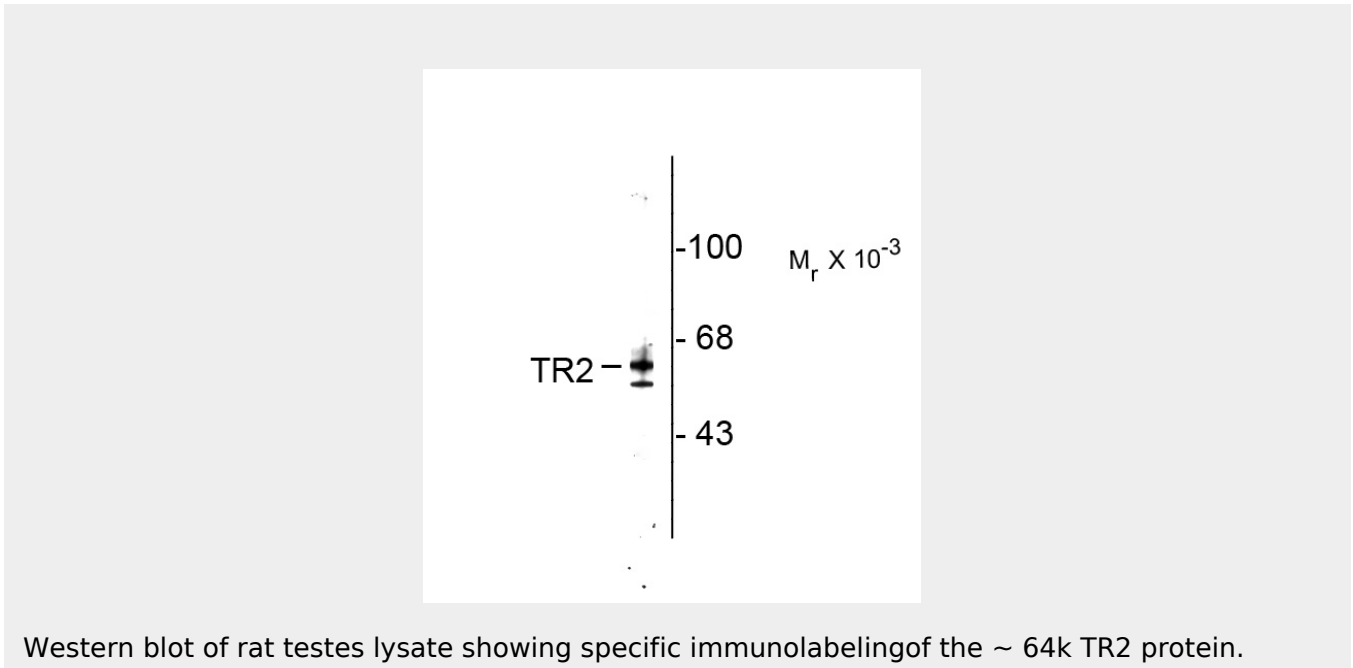
Blue Ice

**Testicular Receptor 2 (TR2) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Testicular Receptor 2 (TR2) Antibody - Images



### Testicular Receptor 2 (TR2) Antibody - Background

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).

### Testicular Receptor 2 (TR2) Antibody - References

- Franco PJ, Li G, Wei LN (2003) Interaction of nuclear receptor  
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Hu YC, Shyr CR, Che W, Mu XM, Kim E, Chang C. (2002) Suppression of estrogen receptor-mediated  
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Tanabe O, McPhee D, Kobayashi S, Shen Y, Brandt W, Jiang X, Campbell AD, Chen Y, 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.