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**Product Name: TRH-R1 Rabbit Polyclonal Antibody****Catalog #: APRab19243**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat,Monkey
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	50kDa

**Antigen Information**

<b>Gene Name</b>	TRHR
<b>Alternative Names</b>	TRHR; Thyrotropin-releasing hormone receptor; TRH-R; Thyroliberin receptor
<b>Gene ID</b>	7201.0
<b>SwissProt ID</b>	P34981
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TRHR. AA range:195-244

**Background**

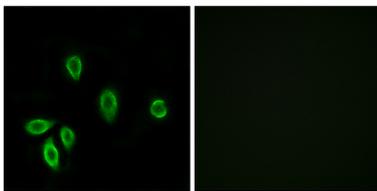
This gene encodes a G protein-coupled receptor for thyrotropin-releasing hormone (TRH). Upon binding to TRH, this receptor

activates the inositol phospholipid-calcium-protein kinase C transduction pathway. Mutations in this gene have been associated with generalized thyrotropin-releasing hormone resistance. [provided by RefSeq, Sep 2011],function:Receptor for thyrotropin-releasing hormone. This receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system.,similarity:Belongs to the G-protein coupled receptor 1 family.,

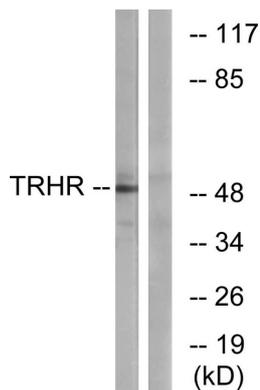
## Research Area

Calcium;Neuroactive ligand-receptor interaction;

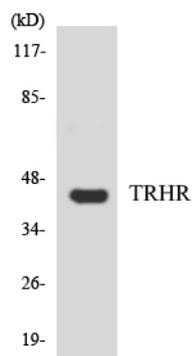
## Image Data



Immunofluorescence analysis of A549 cells, using TRHR Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, using TRHR Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using TRHR antibody.