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# anti-TR4 antibody (AA 560-600)

**Images** 



**Publications** 



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Quantity:	100 μL
Target:	TR4 (NR2C2)
Binding Specificity:	AA 560-600
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TR4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

# **Product Details**

Immunogen:	KLH conjugated KLH conjugated synthetic peptide derived from human MAP3K7/TAK1	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Pig, Rat, Sheep	
Predicted Reactivity:	Cow,Horse,Chicken,Rabbit	
Purification:	Purified by Protein A.	

## **Target Details**

Target: TR4 (NR2C2)
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# **Target Details**

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Alternative Name:	Tak1 (NR2C2 Products)
Background:	Synonyms: TAK1, MEKK7, TGF1a, Mitogen-activated protein kinase kinase kinase 7,
	Transforming growth factor-beta-activated kinase 1, TGF-beta-activated kinase 1, MAP3K7
	Background: Serine/threonine kinase which acts as an essential component of the MAP kinase
	signal transduction pathway. Plays an important role in the cascades of cellular responses
	evoked by changes in the environment. Mediates signal transduction of TRAF6, various
	cytokines including interleukin-1 (IL-1), transforming growth factor-beta (TGFB), TGFB-related
	factors like BMP2 and BMP4, toll-like receptors (TLR), tumor necrosis factor receptor CD40 and
	B-cell receptor (BCR). Ceramides are also able to activate MAP3K7/TAK1. Once activated, acts
	as an upstream activator of the MKK/JNK signal transduction cascade and the p38 MAPK
	signal transduction cascade through the phosphorylation and activation of several MAP kinase
	kinases like MAP2K1/MEK1, MAP2K3/MKK3, MAP2K6/MKK6 and MAP2K7/MKK7. These
	MAP2Ks in turn activate p38 MAPKs, c-jun N-terminal kinases (JNKs) and I-kappa-B kinase
	complex (IKK). Both p38 MAPK and JNK pathways control the transcription factors activator
	protein-1 (AP-1), while nuclear factor-kappa B is activated by IKK. MAP3K7 activates also IKBKI
	and MAPK8/JNK1 in response to TRAF6 signaling and mediates BMP2-induced apoptosis. In
	osmotic stress signaling, plays a major role in the activation of MAPK8/JNK1, but not that of
	NF-kappa-B. Promotes TRIM5 capsid-specific restriction activity.
Gene ID:	6885
UniProt:	043318
Pathways:	TCR Signaling, Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling
	Pathway, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector
	Process, Production of Molecular Mediator of Immune Response, Tube Formation, Toll-Like
	Receptors Cascades
Application Details	
Application Notes:	WB 1:100-1000
	IHC-P 1:100-500
	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid

### Handling

Concentration:	1 μg/μL	
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
Expiry Date:	12 months	

### **Publications**

Product cited in:

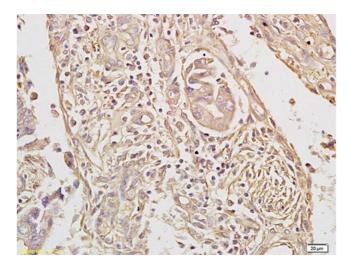
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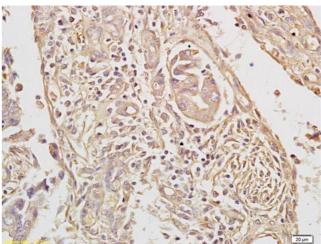
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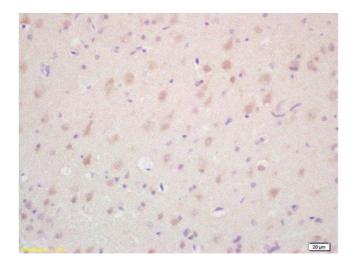
### **Immunohistochemistry**

**Image 1.** Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti TAK1/MAP3K7 Polyclonal Antibody, Unconjugated (ABIN701185) at 1:200 followed by conjugation to the secondary antibody and DAB staining



### **Immunohistochemistry**

**Image 2.** Formalin-fixed and paraffin embedded human colon cancer labeled with Anti-TAK1/MAP3K7 Polyclonal Antibody, Unconjugated (ABIN701185) followed by conjugation to the secondary antibody and DAB staining



# Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti TAK1/MAP3K7 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining