

Datasheet for ABIN802023
anti-TR4 antibody (pSer192)[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	TR4 (NR2C2)
Binding Specificity:	pSer192
Reactivity:	Human, Rat
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)), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human TAK1 around the phosphorylation site of Ser192
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	TR4 (NR2C2)
Alternative Name:	TAK1 (NR2C2 Products)
Background:	<p>Synonyms: MAP3K7phospho S192, M3K7_HUMAN, MAP3K 7, Map3k7, MEKK7, Mitogen activated protein kinase kinase kinase 7, Mitogen-activated protein kinase kinase kinase 7, Mitogen-activated protein kinase kinase kinase 7, TAK1, TGF beta activated kinase 1, TGF-beta-activated kinase 1, TGF1a, Transforming growth factor beta activated kinase 1, Transforming growth factor-beta-activated kinase 1.</p> <p>Background: TAK1 (or MAP3K7) was shown to participate in regulation of transcription by transforming growth factor beta (TGF beta). TAK1 is stimulated in response to TGF beta and bone morphogenetic protein. These results suggest that TAK1 functions as a mediator in the signaling pathway of TGF beta superfamily members. TAB1 and TAB2 are TAK1 binding proteins that may function as activators of the TAK1 (TGF b activated kinase 1) MAPKKK in TGF b signal transduction. TAB1 induced TAK1 activation promoted the dissociation of active forms of IKKa and IKK b from active TAK1, whereas the IKK mutants remained to interact with active TAK1. TNF a activated endogenous TAK1, and the kinase negative TAK1 acted as a dominant negative inhibitor against TNF a induced NFkB activation. TAK1 was suggested to act as a regulatory kinase of IKKs.</p>
Gene ID:	7182
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 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

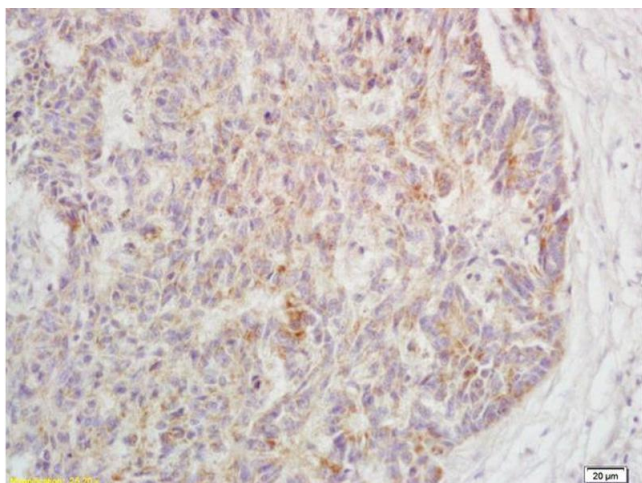
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: 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:	Su, Zhou, Wang, Yang, Li, Yu, Li: "The PPARβ/δ agonist GW501516 attenuates peritonitis in peritoneal fibrosis via inhibition of TAK1-NFκB pathway in rats." in: Inflammation , Vol. 37, Issue 3, pp. 729-37, (2014) (PubMed).
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Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human rectal carcinoma labeled with Rabbit Anti-Phospho-TAK1(Ser192) Polyclonal Antibody, Unconjugated (ABIN802023) at 1:200 followed by conjugation to the secondary antibody and DAB staining