

## Product Datasheet

### TAK1(Ser192) Polyclonal Antibody GRP563

#### Description

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 beta activated kinase 1) MAPKKK in TGF beta signal transduction. TAB1 induced TAK1 activation promoted the dissociation of active forms of IKKalpha and IKK beta from active TAK1, whereas the IKK mutants remained to interact with active TAK1. TNF alpha activated endogenous TAK1, and the kinase negative TAK1 acted as a dominant negative inhibitor against TNF alpha induced NFkB activation. TAK1 was suggested to act as a regulatory kinase of IKKs.

#### Species/Host

Rabbit

#### Reactivity

Human, Mouse, Rat

#### Conjugation

Unconjugated

#### Tested Applications

IHC-P, WB

#### Immunogen

KLH conjugated synthetic phosphopeptide derived from human TAK1 around the phosphorylation site of Ser192

#### Form/Appearance

Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.

#### Concentration

1ug/ul

#### Storage

Store at -20°C for 12 months.

#### Note

For research use only.

#### Isotype

IgG

#### Clonality

Polyclonal

#### Purity

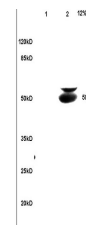
Purified by Protein A.

#### Entrez

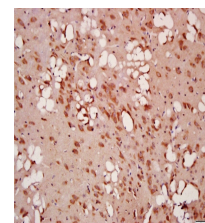
**7182**

#### Dilution Range

WB: 1:300-1000, IHC-P: 1:200-400



WB of GRP563



IHC-P of GRP563