

Recombinant

DGRmAb®

## TAK1 (DGR14186) Rabbit mAb

db12332

Package : 10µL 20µL 50µL 100µL

**Product Name :** TAK1 (DGR14186) Rabbit mAb  
**Cat.No.:** db12332  
**Synonyms :** CSCF; FMD2; TAK1; MEKK7; TGF1a  
**Application :** WB, IHC, ICC/IF, FC  
**Reactivity :** Human, Mouse, Rat  
**Host species :** Rabbit

**Background**

The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human TAK1

**Gene ID**

6885

**Swiss Prot**

O43318

**Synonyms**

CSCF; FMD2; TAK1; MEKK7; TGF1a

**Reactivity**

Human, Mouse, Rat

**Application**

WB, IHC, ICC/IF, FC

**Recommended dilution**

WB: 1:1000-1:5000  
IHC: 1:50  
ICC/IF: 1:200-1:1000  
FC: 1:50

**Calculated MW**

67 kDa

**Observed MW**

78 kDa

**Host species**

Rabbit

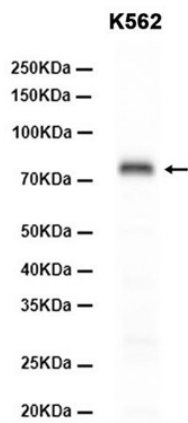
**Clonality**

Monoclonal

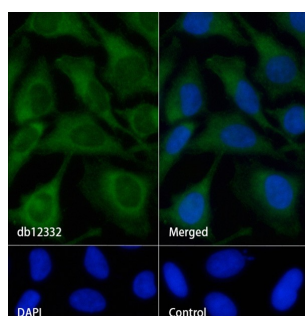
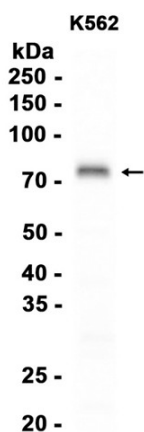
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<b>Clonality No.</b>	DGR14186
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

Western blot analysis of extracts from K562 cells using db12332 at 1:2000.



Western blot analysis of extracts from K562 cells using db12332 at 1:2000.



Immunofluorescence analysis of HeLa cells labelling TAK1 with db12332.

The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db12332 (1:200) at room temprature for 1h, followed by a further incubation at room temprature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.