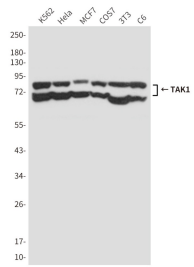
TAK1 (3G1) Mouse mAb

db6118 **Package : 50μL 100μL**

Product Name : TAK1 (3G1) Mouse mAb
Cat.No.: db6118
Synonyms : CSCF; FMD2; TAK1; MEKK7; TGF1a
Application : WB
Reactivity : Human, Mouse, Rat, Monkey
Host species : Mouse

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 IKBKB 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.
Immunogen	Purified recombinant human TAK1 protein fragments expressed in E.coli
Gene ID	6885
Swiss Prot	O43318
Synonyms	CSCF; FMD2; TAK1; MEKK7; TGF1a
Reactivity	Human, Mouse, Rat, Monkey
Application	WB
Recommended dilution	WB: 1:500-1:1000
Calculated MW	67 kDa
Observed MW	67,78 kDa

Host species	Mouse
Clonality	Monoclonal
Clonality No.	3G1-C4-E10
Isotype	IgG2b
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Western blot analysis of TAK1 in K562, Hela, MCF-7, COS7, 3T3 and C6 lysates using TAK1 antibody.