

TAK1 monoclonal antibody

Catalog: MB66585

Host: Mouse

Reactivity: Human, Mouse, Rat, Monkey

BackGround:

TAK1 is a mitogen-activated protein kinase kinase kinase that can be activated by TGF- β , bone morphogenetic protein and other cytokines including IL-1. In vivo activation of TAK1 requires association with TAK1 binding protein 1 (TAB1), which triggers phosphorylation of TAK1. Another adaptor protein, TAB2, links TAK1 with TRAF6 and mediates TAK1 activation upon IL-1 stimulation. Once activated, TAK1 phosphorylates MAPK kinases MKK4 and MKK3/6, which activate p38 MAPK and JNK, respectively. In addition, TAK1 activates the NF- κ B pathway by interacting with TRAF6 and phosphorylating the NF- κ B inducing kinase (NIK).

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

~ 75 kDa

Swiss-Prot:

O43318

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

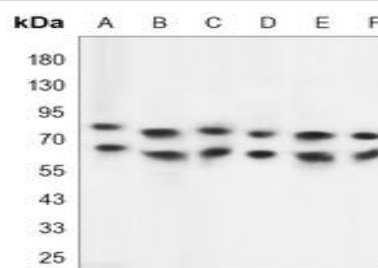
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of TAK1 protein.

DATA:



Western blot analysis of TAK1 expression in K562 (A), HeLa (B), MCF7 (C), COS7 (D), NIH3T3 (E), C6 (F) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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