

**Recombinant****DGRmAb®****MAPKAP Kinase 3 (DGR31438) Rabbit mAb****db13549****Package : 10µL 20µL 50µL 100µL****Product Name :** MAPKAP Kinase 3 (DGR31438) Rabbit mAb**Cat.No.:** db13549**Synonyms :** 3PK; MK3; MK-3; MDPT3; MAPKAP3; MAPKAP-K3; MAPKAPK-3**Application :** WB, FC, IP**Reactivity :** Human**Host species :** Rabbit**Background**

This gene encodes a member of the Ser/Thr protein kinase family. This kinase functions as a mitogen-activated protein kinase (MAP kinase)- activated protein kinase. MAP kinases are also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This kinase was shown to be activated by growth inducers and stress stimulation of cells. In vitro studies demonstrated that ERK, p38 MAP kinase and Jun N-terminal kinase were all able to phosphorylate and activate this kinase, which suggested the role of this kinase as an integrative element of signaling in both mitogen and stress responses. This kinase was reported to interact with, phosphorylate and repress the activity of E47, which is a basic helix-loop-helix transcription factor known to be involved in the regulation of tissue-specific gene expression and cell differentiation. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2011]

**Immunogen**

A synthetic peptide of human MK-3

**Gene ID**

7867

**Swiss Prot**

Q16644

**Synonyms**

3PK; MK3; MK-3; MDPT3; MAPKAP3; MAPKAP-K3; MAPKAPK-3

**Reactivity**

Human

**Application**

WB, FC, IP

**Recommended dilution**

WB: 1:2000-1:20000

FC: 1:100

IP: 1:50

**Calculated MW**

43 kDa

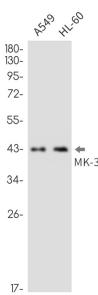
**Observed MW**

43 kDa

**Host species**

Rabbit

<b>Clonality</b>	Monoclonal
<b>Clonality No.</b>	DGR31438
<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 detection of MK-3 in A549,HL-60 cell lysates using MK-3 antibody(1:1000 diluted).