



## AKT1/2/3 (DGR16839) Rabbit mAb

db11977 Package : 10μL 20μL 50μL 100μL

Product Name: AKT1/2/3 (DGR16839) Rabbit mAb

Cat.No.: db11977

Synonyms: MPPH; PKBG; MPPH2; PRKBG; STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma

Application: WB, IHC-P, ICC/IF, FC, IP

Reactivity: Human, Mouse, Rat

Host species: Rabbit

**Background** The protein encoded by this gene is a member of the AKT, also called PKB, serine/threonine

protein kinase family. AKT kinases are known to be regulators of cell signaling in response to insulin and growth factors. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake. This kinase has been shown to be stimulated by platelet-derived growth factor (PDGF), insulin, and insulin-like growth factor 1 (IGF1). Alternatively splice transcript variants encoding

distinct isoforms have been described. [provided by RefSeq, Jul 2008]

Immunogen Recombinant protein of human AKT1/2/3

**Gene ID** 10000

Swiss Prot P31749

**Synonyms** MPPH; PKBG; MPPH2; PRKBG; STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma

Reactivity Human, Mouse, Rat

**Application** WB, IHC-P, ICC/IF, FC, IP

Recommended dilution WB: 1:1000-1:5000

IHC-P: 1:100-1:200

ICC/IF: 1:100 FC: 1:200-1:500

IP: 1:100

Calculated MW 56 kDa

Observed MW 56 kDa

Host species Rabbit

**Clonality** Monoclonal



## For Research Use Only **Product Datasheet**

Clonality No. DGR16839

**Isotype** IgG

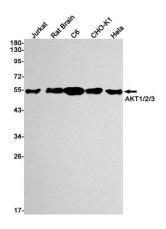
**Purity** Affinity Purification

**Conjugation** Un-conjugated

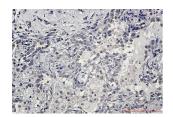
Storage Stability Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium

azide and 0.05% BSA. Stable for 12 months from date of receipt.

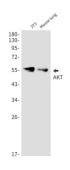




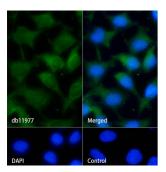
Western blot detection of AKT1/2/3 in Jurkat,Rat Brain,C6,CHO-K1,Hela cell lysates using AKT1/2/3 antibody(1:1000 diluted).



Immunohistochemical analysis of paraffin-embedded human lung cancer using db11977 antibody.



Western blot analysis of AKT in 3T3, mouse lung lysates using AKT antibody(1:1000 diluted).



Immunofluorescence analysis of HeLa cells labelling AKT1/2/3 with db11977.

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 db11977 (1:100) at room temperature for 1h, followed by a further incubation at room temperature 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.