Recombinant DGRmAb®

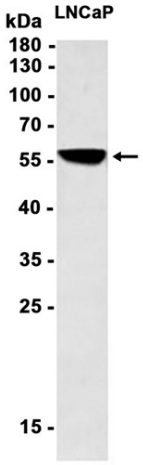
AKT1/2/3 (DGR16941) Rabbit mAb (PBS Only)

db14689-PBS **Package : 10μg 100μg**

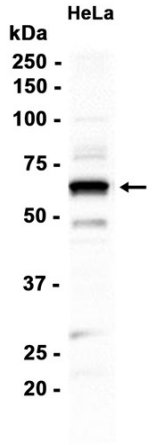
Product Name : AKT1/2/3 (DGR16941) Rabbit mAb (PBS Only)
Cat.No.: db14689-PBS
Synonyms : MPPH; PKBG; MPPH2; PRKBG; STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma
Application : WB, ICC/IF
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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	A synthetic peptide of human AKT1/2/3
Gene ID	10000
Swiss Prot	Q9Y243
Synonyms	MPPH; PKBG; MPPH2; PRKBG; STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma
Reactivity	Human,Mouse,Rat
Application	WB, ICC/IF
Calculated MW	56 kDa
Observed MW	56 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR16941
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated

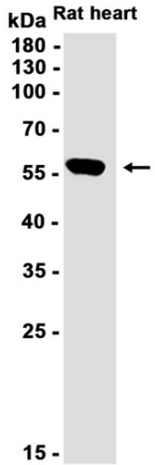
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



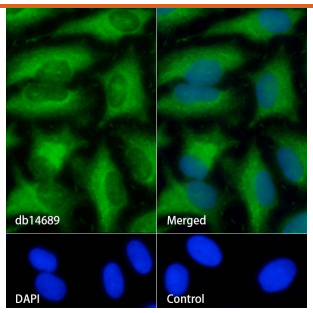
Western blot analysis of extracts from LNCaP cells using db14689 at 1:500.



Western blot analysis of extracts from HeLa cells using db14689 at 1:1000.



Western blot analysis of extracts from Rat heart tissue using db14689 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling AKT1/2/3 with db14689.

The cells were fixed with cold 100% methanol (10min, 4℃) 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 db14689 (1:500) at room temprature 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.