Recombinant DGRmAb®

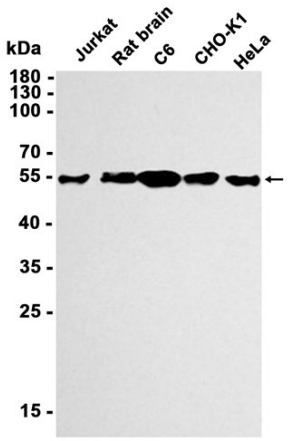
AKT1/2/3 (DGR16839) Rabbit mAb (PBS Only)

db11977-PBS **Package : 10μg 100μg**

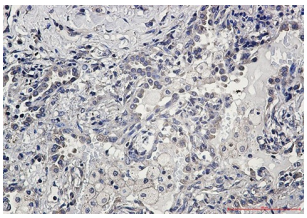
Product Name : AKT1/2/3 (DGR16839) Rabbit mAb (PBS Only)
Cat.No.: db11977-PBS
Synonyms : MPPH; PKBG; MPPH2; PRKBG; STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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
Calculated MW	56 kDa
Observed MW	56 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR16839
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated

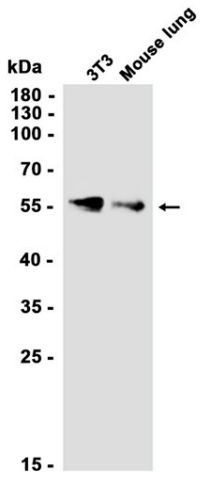
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



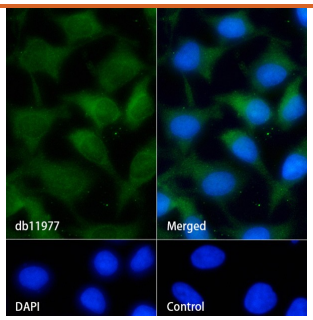
Western blot analysis of extracts from Jurkat, C6, CHO-K1, HeLa cells, and Rat brain tissue using db11977 at 1:1000.



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



Western blot analysis of extracts from 3T3 cells and Mouse lung tissue using db11977 at 1:1000.



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

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 db11977 (1:100) 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.