Recombinant DGRmAb®

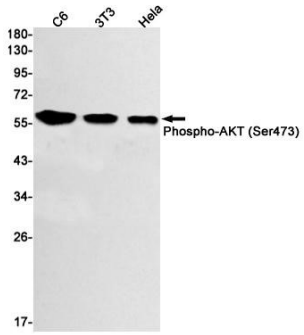
Phospho-AKT1 (Ser473) (DGR12838) Rabbit mAb

db14851 **Package : 10μL 20μL 50μL 100μL**

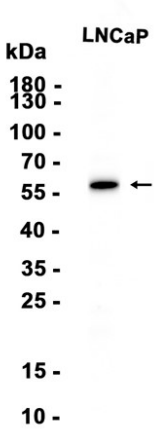
Product Name : Phospho-AKT1 (Ser473) (DGR12838) Rabbit mAb
Cat.No.: db14851
Synonyms : AKT; PKB; RAC; CWS6; PRKBA; PKB-ALPHA; RAC-ALPHA
Application : WB, IHC-P
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	The serine-threonine protein kinase encoded by the AKT1 gene is catalytically inactive in serum-starved primary and immortalized fibroblasts. AKT1 and the related AKT2 are activated by platelet-derived growth factor. The activation is rapid and specific, and it is abrogated by mutations in the pleckstrin homology domain of AKT1. It was shown that the activation occurs through phosphatidylinositol 3-kinase. In the developing nervous system AKT is a critical mediator of growth factor-induced neuronal survival. Survival factors can suppress apoptosis in a transcription-independent manner by activating the serine/threonine kinase AKT1, which then phosphorylates and inactivates components of the apoptotic machinery. Mutations in this gene have been associated with the Proteus syndrome. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2011]
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser473 of human AKT1
Gene ID	207
Swiss Prot	P31749
Synonyms	AKT; PKB; RAC; CWS6; PRKBA; PKB-ALPHA; RAC-ALPHA
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:100-1:200
Calculated MW	56 kDa
Observed MW	56 kDa
Host species	Rabbit
Clonality	Monoclonal

Clonality No.	DGR12838
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 Phospho-AKT (Ser473) in C6,3T3,Hela cell lysates using Phospho-AKT (Ser473) antibody(1:1000 diluted).



Western blot analysis of extracts from LNCaP cells using db14851 at 1:500.