Recombinant DGRmAb®

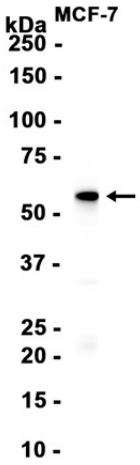
AKT1/2 (DGR14626) Rabbit mAb

db12479 **Package : 10μL 20μL 50μL 100μL**

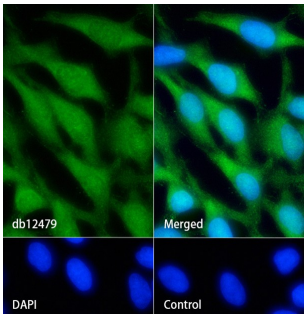
Product Name : AKT1/2 (DGR14626) Rabbit mAb
Cat.No.: db12479
Synonyms : PKBB; PRKBB; HIHGHH; PKBBETA; RAC-BETA
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. The gene was shown to be amplified and overexpressed in 2 of 8 ovarian carcinoma cell lines and 2 of 15 primary ovarian tumors. Overexpression contributes to the malignant phenotype of a subset of human ductal pancreatic cancers. The encoded protein is a general protein kinase capable of phophorylating several known proteins. [provided by RefSeq, Jul 2008]
Immunogen	Recombinant protein of human AKT2
Gene ID	208
Swiss Prot	P31751
Synonyms	PKBB; PRKBB; HIHGHH; PKBBETA; RAC-BETA
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:200-1:2000 ICC/IF: 1:200-1:500 FC: 1:200-1:500 IP: 1:20-1:50
Calculated MW	56 kDa
Observed MW	56 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR14626

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 analysis of extracts from MCF-7 cells using db12479 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling AKT1/2 with db12479.

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 db12479 (1:200) 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.