Recombinant DGRmAb®

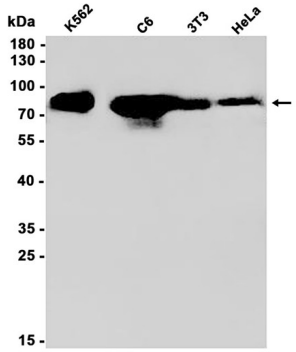
PKC alpha (DGR13484) Rabbit mAb (PBS Only)

db13040-PBS **Package : 10μg 100μg**

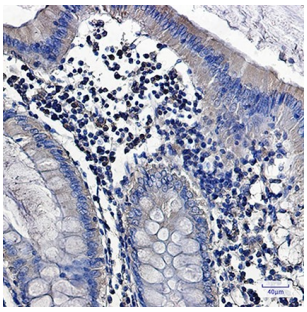
Product Name : PKC alpha (DGR13484) Rabbit mAb (PBS Only)
Cat.No.: db13040-PBS
Synonyms : AAG6; PKCA; PRKACA; PKC-alpha
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. The protein encoded by this gene is one of the PKC family members. This kinase has been reported to play roles in many different cellular processes, such as cell adhesion, cell transformation, cell cycle checkpoint, and cell volume control. Knockout studies in mice suggest that this kinase may be a fundamental regulator of cardiac contractility and Ca(2+) handling in myocytes. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human PKC alpha
Gene ID	5578
Swiss Prot	P17252
Synonyms	AAG6; PKCA; PRKACA; PKC-alpha
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Calculated MW	77 kDa
Observed MW	80 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR13484
Isotype	IgG

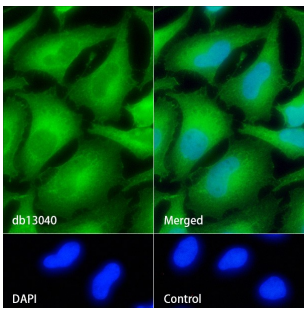
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from K562, C6, 3T3, HeLa cells using db13040 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human colon cancer using db13040 antibody.



Immunofluorescence analysis of HeLa cells labelling PKC alpha with db13040.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), 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 db13040 (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.