

Recombinant

DGRmAb®

Phospho-PKA RII alpha (Ser99) (DGR16499) Rabbit mAb

db11883

Package : 10µL 20µL 50µL 100µL

Product Name : Phospho-PKA RII alpha (Ser99) (DGR16499) Rabbit mAb**Cat.No.:** db11883**Synonyms** : PKR2; PRKAR2**Application** : WB, IHC-P, ICC/IF**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have been identified in humans. The protein encoded by this gene is one of the regulatory subunits. This subunit can be phosphorylated by the activated catalytic subunit. It may interact with various A-kinase anchoring proteins and determine the subcellular localization of cAMP-dependent protein kinase. This subunit has been shown to regulate protein transport from endosomes to the Golgi apparatus and further to the endoplasmic reticulum (ER). [provided by RefSeq, Jul 2008]

Immunogen

A synthetic phosphopeptide corresponding to residues surrounding Ser99 of human PKA R2

Gene ID

5576

Swiss Prot

P13861

Synonyms

PKR2; PRKAR2

Reactivity

Human,Mouse,Rat

Application

WB, IHC-P, ICC/IF

Recommended dilutionWB: 1:1000
IHC-P: 1:200-1:500
ICC/IF: 1:200-1:500**Calculated MW**

46 kDa

Observed MW

50 kDa

Host species

Rabbit

| | |
|-------------------|---|
| Clonality | Monoclonal |
| Clonality No. | DGR16499 |
| 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. |
| | <div><div></div><div>Western blot detection of Phospho-PKA RIIalpha (Ser99) in Rat Brain,C6 cell lysates using Phospho-PKA RIIalpha (Ser99) antibody(1:1000 diluted).</div></div> |
| | <div><div></div><div>Immunohistochemical analysis of paraffin-embedded human tonsil using db11883 antibody.</div></div> |