Anti-Phospho-PKA C (Thr197) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015174

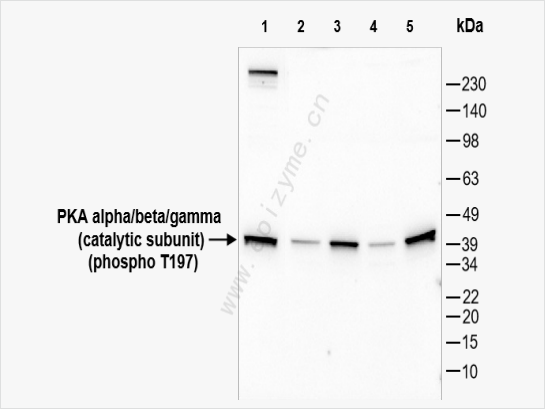
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	55R58G12
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-PKA C (Thr197)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-PKA C (Thr197) Rabbit mAb [55R58G12] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	cAMP dependent protein kinase beta catalytic subunit, cAMP dependent protein kinase alpha catalytic subunit, cAMP dependent protein kinase catalytic subunit alpha, cAMP dependent protein kinase catalytic subunit beta, PKA C alpha, PKA C beta, PKACA, PKACB, PRKACA, PRKACB, Protein kinase cAMP dependent catalytic alpha, Protein kinase cAMP dependent catalytic beta.
Calculated MW	Calculated MW: 40 kDa; Observed MW: 40 kDa
Uniprot ID	P22612, P17612, P22694
Gene ID	5568, 5566, 5567
Background	Cyclic AMP-dependent protein kinase (PKA) consists of two catalytic subunits and a regulatory subunit dimer. This gene encodes the gamma form of its catalytic subunit. The gene is intronless and is thought to be a retrotransposon derived from the gene for the alpha form of the PKA catalytic subunit. [provided by RefSeq, Jul 2008].
Cellular Location	Cytoplasm. Nucleus. Note=Translocates into the nucleus (monomeric catalytic subunit). The inactive holoenzyme is found in the cytoplasm

Validation Images



Western Blot - Anti-Phospho-PKA C (Thr197) Rabbit mAb [55R58G12]
All lanes: R015174 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
Lane 3: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 4: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 5: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 40 kDa
Observed band size: 40 kDa
Developed using the ECL technique (Cat. No. SQ201).