

PACO51858

Product Information

Size:

50ug

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:5000,
IHC:1:20-1:200, IF:1:50-1:200

Protein Background:

Mediates cAMP-dependent signaling triggered by receptor binding to GPCRs. PKA activation regulates diverse cellular processes such as cell proliferation, the cell cycle, differentiation and regulation of microtubule dynamics, chromatin condensation and decondensation, nuclear envelope disassembly and reassembly, as well as regulation of intracellular transport mechanisms and ion flux. Regulates the abundance of compartmentalized pools of its regulatory subunits through phosphorylation of PJA2 which binds and ubiquitinates these subunits, leading to their subsequent proteolysis.

Gene ID:

PRKACB

Uniprot

P22694

Synonyms:

cAMP-dependent protein kinase catalytic subunit beta (PKA C-beta) (EC 2.7.11.11),
PRKACB

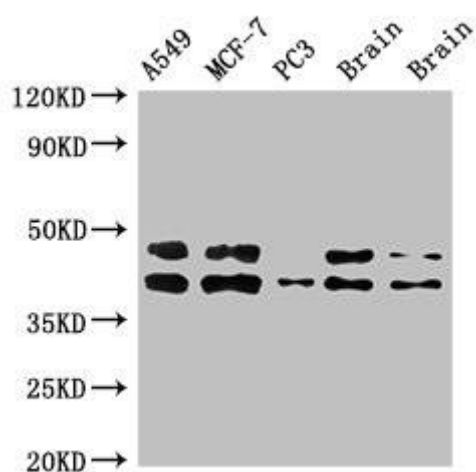
Immunogen:

Recombinant Human cAMP-dependent protein kinase catalytic subunit β protein (2-53AA).

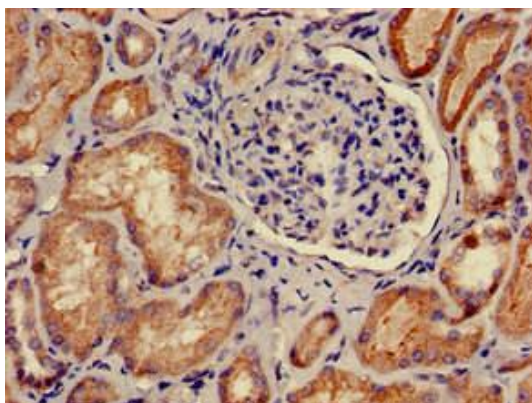
Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

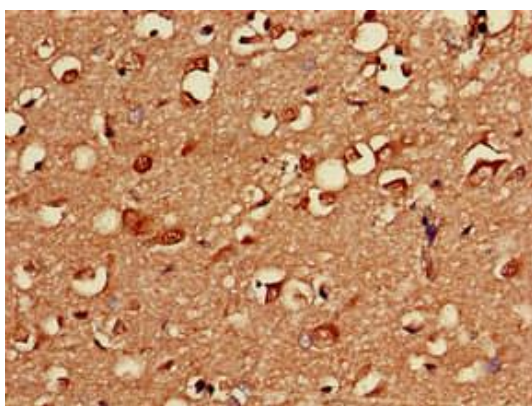
Product Images



Western Blot. Positive WB detected in: A549 whole cell lysate, MCF-7 whole cell lysate, PC-3 whole cell lysate, Rat brain tissue, Mouse brain tissue. All lanes: PRKACB antibody at 3 μ g/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 41, 47, 40, 42, 30, 37 kDa. Observed band size: 41, 47 kDa.



Immunohistochemistry of paraffin-embedded human kidney tissue using PACO51858 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human brain tissue using PACO51858 at dilution of 1:100.