USA: proteintech@ptglab.com

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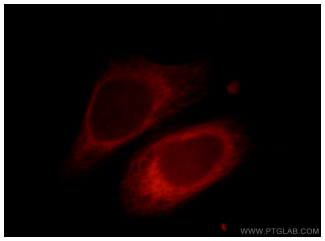
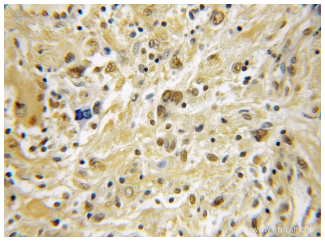
PRKACB Polyclonal Antibody

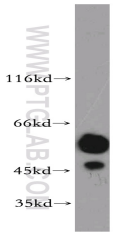
Catalog number: 12232-1-AP
Size: 29 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
PRKACB; DKFZp781I2452, PKA C beta, PKACB, PRKACB



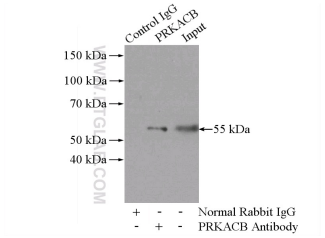
Immunofluorescent analysis of Hela cells, using PRKACB antibody 12232-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human medulloblastoma using 12232-1-AP(PRKACB antibody) at dilution of 1:50 (under 10x lens)



HT-1080 cells were subjected to SDS PAGE followed by western blot with 12232-1-AP(PRKACB antibody) at dilution of 1:1000



IP Result of anti-PRKACB (IP:12232-1-AP, 4ug; Detection:12232-1-AP 1:500)

Background

PRKACB, also named as PKA C-beta, belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family and cAMP subfamily. It 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.

Applications

Tested applications:	**ELISA, WB, IHC, IF, IP**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Caculated PRKACB MW:	**41 kDa;46 kDa**
Observed PRKACB MW:	**46-55 kDa**
Positive WB detected in	**HT-1080 cells, A549 cells, MCF7 cells, mouse brain tissue, PC-3 cells**
Positive IP detected in	**Mouse brain tissue**
Positive IHC detected in	**Human medulloblastoma tissue**
Positive IF detected in	**Hela cells**
Recommended dilution:	**WB: 1:1000-1:10000** **IP: 1:200-1:2000** **IHC: 1:20-1:200** **IF: 1:10-1:100**

Application key: WB = Western blotting, IHC= Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag2870**
GenBank accession number:	**BC016285**
Gene ID (NCBI):	**5567**
Full name:	**Protein kinase, cAMP-dependent, catalytic, beta**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**

with mouse brain tissue lysate
2640ug.