

Allgemeine Informationen

Katalog-Nr.:
12232-1-AP

Größe:
150ul , Konzentration: 550 µg/ml von Nanodrop und 333 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG2870

GenBank-Zugangsnummer:
BC016285

GeneID (NCBI):
5567

Vollständiger Name:
protein kinase, cAMP-dependent, catalytic, beta

Berechnete Masse:
41 kDa, 46 kDa

Beobachtete Masse:
36-55 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:1000
IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB
IHC 1:50-1:500
IF 1:10-1:100

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: MCF-7-Zellen, A549-Zellen, HT-1080.Zellen, Mausherzgewebe, Maushirngewebe, PC-3-Zellen

IP: Maushirngewebe,

IHC: Maushirngewebe, humanes Medulloblastom-Gewebe

IF: HeLa-Zellen,

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yang Fu	35658231	Biomed Pharmacother	WB
Yongxia Wang	31998791	Biomed Res Int	WB
Fan Wu	36012545	Int J Mol Sci	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

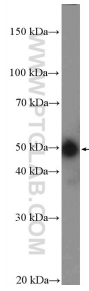
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

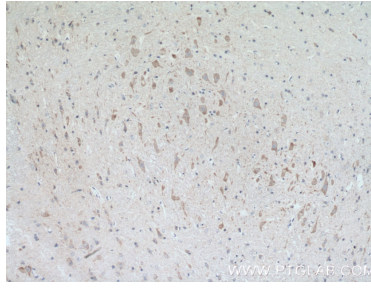
E: proteintech@ptglab.com
W: ptglab.com

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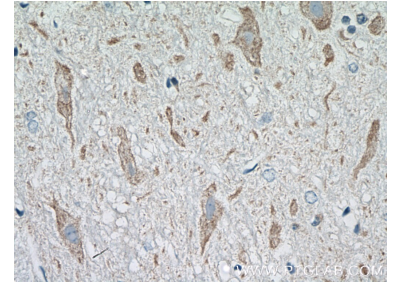
Ausgewählte Validierungsdaten



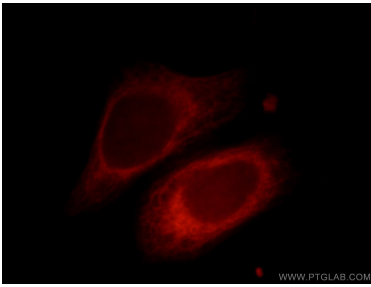
MCF-7 cells were subjected to SDS PAGE followed by western blot with 12232-1-AP (PRKACB Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



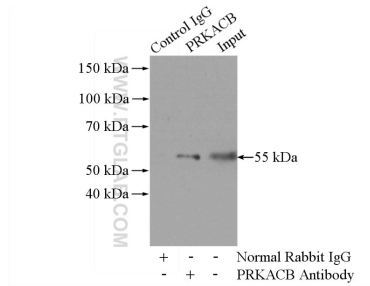
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12232-1-AP (PRKACB antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12232-1-AP (PRKACB antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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



IP Result of anti-PRKACB (IP:12232-1-AP, 4ug; Detection:12232-1-AP 1:500) with mouse brain tissue lysate 2640ug.