

Nur für Forschungszwecke

CRTC2, TORC2 Polyklonaler Antikörper



Katalog-Nr.: 12497-1-AP

Vorgestelltes Produkt

18 Publikationen

Allgemeine Informationen

Katalog-Nr.: 12497-1-AP	GenBank-Zugangsnummer: BC053562	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 900 µg/ml von Nanodrop;	GeneID (NCBI): 200186	Empfohlene Verdünnungen: WB 1:1000-1:4000 IHC 1:20-1:200 IF 1:20-1:200
Wirt: Kaninchen	Vollständiger Name: CREB regulated transcription coactivator 2	
Isotyp: IgG	Berechnete Masse: 693 aa, 73 kDa	
Immunogen Katalognummer: AG3167	Beobachtete Masse: 73 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Hausschwein, Human, Maus, Ratte, Rind

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

Positivkontrollen:

WB: Mausnierengewebe, HEK-293-Zellen, HepG2-Zellen, Mauslebergewebe

IHC: humanes Gliomgewebe,

IF: HeLa-Zellen,

Hintergrundinformationen

CRTC2, also named as TORC2, belongs to the TORC family. It is a transcriptional coactivator for CREB1 which activates transcription through both consensus and variant cAMP response element (CRE) sites. It acts as a coactivator, in the SIK/TORC signaling pathway, being active when dephosphorylated and acts independently of CREB1 'Ser-133' phosphorylation. CRTC2 enhances the interaction of CREB1 with TAF4. It regulates gluconeogenesis as a component of the LKB1/AMPK/TORC2 signaling pathway. CRTC2 regulates the expression of specific genes such as the steroidogenic gene, StAR. TORC2 was recently shown to be an important regulator of gluconeogenesis in the livers of mammals. It is one of the other key regulators of CRE-dependent MIE gene expression in NT2 cells. This regulation is linked to VIP-induced TORC2 dephosphorylation and translocation to the nucleus. (PMID: 19369332, 20504934).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Chang Wang	33013689	Front Endocrinol (Lausanne)	WB,IF
Hideaki Kanki	33127851	J Neurosci	WB,IF
Qi Ling	31654553	Am J Transplant	IHC

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

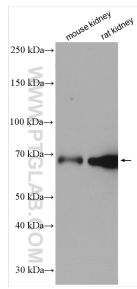
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E: proteintech@ptglab.com
W: ptglab.com

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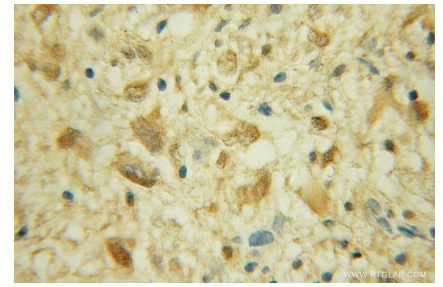
Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 12497-1-AP (CRTC2,TORC2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



HepG2 cells were subjected to SDS PAGE followed by western blot with 12497-1-AP (CRTC2,TORC2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 12497-1-AP (CRTC2,TORC2 antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of HeLa cells, using CRTC2 antibody 12497-1-AP at 1:50 dilution and FITC-labeled donkey anti-rabbit IgG (green). Blue pseudocolor = DAPI (fluorescent DNA dye).