

Nur für Forschungszwecke

EGR2 Polyklonaler Antikörper

Katalog-Nr.: 13491-1-AP

Vorgestelltes Produkt

15 Publikationen



Allgemeine Informationen

Katalog-Nr.: 13491-1-AP	GenBank-Zugangsnummer: BC035625	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 700 µg/ml von Nanodrop und 247 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 1959	Empfohlene Verdünnungen: WB 1:1000-1:8000
Wirt: Kaninchen	Vollständiger Name: early growth response 2 (Krox-20 homolog, Drosophila)	
Isotyp: IgG	Berechnete Masse: 50 aa, 3 kDa	
Immunogen Katalognummer: AG4313	Beobachtete Masse: 60-70 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : Daudi-Zellen, HepG2-Zellen, Maushirngewebe, Mausnierengewebe, MCF-7-Zellen, PC-3-Zellen, Rattenhirngewebe, SH-SY5Y-Zellen
In Publikationen genannte Anwendungen: IF, IHC, WB	
Getestete Reaktivität: Human, Maus, Ratte	
Zitierte Arten: Human, Maus, Ratte	

Hintergrundinformationen

EGR2 is also named as KROX20, belongs to the EGR C2H2-type zinc-finger protein family. As a zinc finger transcription factor, it is observed in both the somata and dendrites of central neurons (PMID: 12706208). EGR2 plays an important role in the transient formation of hindbrain developmental compartments or rhombomeres and is also an important factor in peripheral myelination, maintenance of synaptic plasticity and long-term potentiation (PMID: 7707882, 8619872, 8895453, 16203212, 18280047). Egr2 expression is induced downstream of TCR signaling in NKT precursors and Egr2 is directly connected with the key molecular checkpoints defining NKT lineage commitment and stage progression, suggesting that Egr2 not only induces the early lineage-defining transcription factor PLZF, but also controls the downstream expression of the IL-2R β chain (PMID: 22306690). Egr2 is regulated by both soluble and membrane-bound neuregulins (PMID: 16129398, 18803322, 8787758) and its concentration is partially modulated by calcium-dependent events (PMID: 19179536). Egr2/Krox20 is also required for induction of Pmp22 (PMID: 21411665), and is nuclear-localized (PMID: 12706208). On western blotting, the observed band is around 50 kDa or gives a raise around 63 kDa (PMID: 22792185). This antibody is a rabbit polyclonal antibody raised against a region of human EGR2.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Roberta Piovesana	32933046	Int J Mol Sci	WB
Deniz Gökbuget	26466203	Nat Commun	WB
Ogawa Masahiro M	24098453	PLoS One	WB

Lagerung

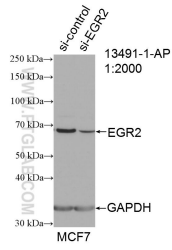
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

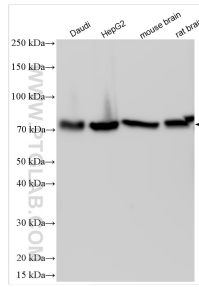
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Ausgewählte Validierungsdaten



WB result of EGR2 antibody (13491-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EGR2 transfected MCF-7 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 13491-1-AP (EGR2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.