À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-EGR2

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Numéro de catalogue:13491-1-AP Phare 15 Publications

## Informations de base

Numéro de catalogue:
13491-1-AP

Taille:
150ul , Concentration: 700 μg/ml by Nanodrop and 247 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG4313

Numéro d'acquisition GenBank:
BC035625

Identification du gène (NCBI):
1959

Nom complet:
early growth response 2 (Krox-20 homolog, Drosophila)

MW calculé
50 aa, 3 kDa

MW observés:
60-70 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:8000

## Applications

Applications testées:
WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris

Contrôles positifs:

WB : cellules Daudi, cellules HepG2, cellules MCF-7, cellules PC-3, cellules SH-SY5Y, tissu cérébral de rat, tissu cérébral de souris, tissu rénal de souris

## Informations générales

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-2Rβ 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 brand 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.

## Publications notables

| Autrice | Pubmed ID | Journal | Application |
|---|---|---|---|
| Roberta Piovesana | 32933046 | Int J Mol Sci | WB |
| Deniz Gökbuget | 26466203 | Nat Commun | WB |
| Ogawa Masahiro M | 24098453 | PLoS One | WB |

## Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:
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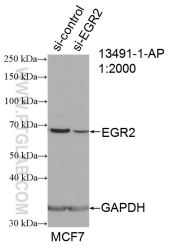
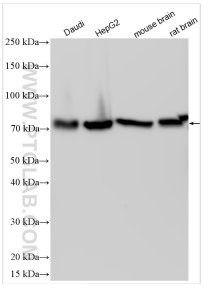
E: proteintech@ptglab.com
W: ptglab.com

## Données de validation sélectionnées




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.