À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-EGR1

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:22008-1-AP Phare 21 Publications

Informations de base

Numéro de catalogue:
22008-1-AP

Taille:
150ul , Concentration: 700 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG13395

Numéro d'acquisition GenBank:
BC073983

Identification du gène (NCBI):
1958

Nom complet:
early growth response 1

MW calculé
543 aa, 58 kDa

MW observés:
68-70 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:5000
IHC 1:50-1:500
IF 1:50-1:500

Applications

Applications testées:
IF, IHC, WB, ELISA

Demandes citées:
ChIP, ELISA, IF, IHC, WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules Jurkat, cellules Ramos, RAW264.7

IHC : tissu de tumeur ovarienne humain,

IF : tissu cérébral de souris,

Informations générales

EGR1, also named as Early growth response protein 1, is a 543 amino acid protein, which belongs to the EGR C2H2-type zinc-finger protein family. EGR1 as a transcriptional regulator recognizes and binds to the DNA sequence 5'-GCG(T/G)GGGCG-3'(EGR-site) in the promoter region of target genes and binds double-stranded target DNA, irrespective of the cytosine methylation status. EGR1 regulates the transcription of numerous target genes, and thereby plays an important role in regulating the response to growth factors, DNA damage, and ischemia. EGR1 activates expression of p53/TP53 and TGFB1, and thereby helps prevent tumor formation and plays a role in the regulation of cell survival, proliferation and cell death. Egr1 is suggested to be a 55-kDa protein according to the translation of its coding sequence. Analysis of cytoplasmic and nuclear fractions of normal and irradiated native CNS tissue by Western blotting revealed a 110-kDa band for Egr1 localized in the cytoplasm and a 75-kDa version for the nuclear Egr1(PMID: 17497096).

Publications notables

Autrice	Pubmed ID	Journal	Application
Ningxin Zhang	36278223	Front Pharmacol	WB,IHC
Qingsong Huang	28881635	Oncotarget	WB
Fu Qi	35782903	Oncol Lett	WB

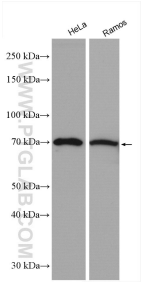
Stockage

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

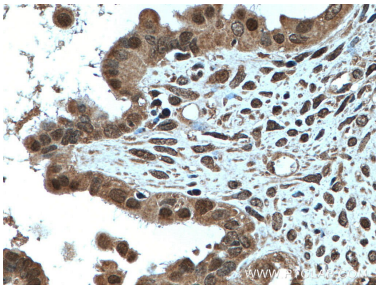
***** Les 20ul contiennent 0,1% de BSA.**

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

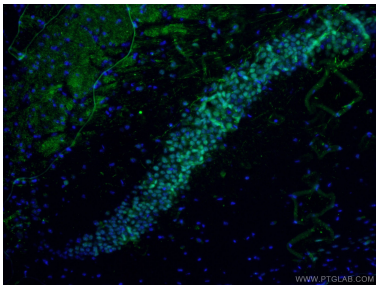
Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 22008-1-AP (EGR1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 22008-1-AP (EGR1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 22008-1-AP (EGR1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).