

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ELF1



Numéro de catalogue: 22565-1-AP

4 Publications

Informations de base

Numéro de catalogue:
22565-1-AP

Taille:
150ul, Concentration: 900 µg/ml by Nanodrop and 320 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG14689

Numéro d'acquisition GenBank:
BC030507

Identification du gène (NCBI):
1997

Nom complet:
E74-like factor 1 (ets domain transcription factor)

MW calculé
619 aa, 67 kDa

MW observés:
97 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:8000
IHC 1:50-1:500
IF 1:50-1:500

Applications

Applications testées:
IF, IHC, WB, ELISA

Demandes citées:
ChIP, EMSA, IHC, WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules PC-3, cellules A431, cellules HeLa, cellules HL-60, cellules Jurkat, tissu de thymus de souris

IHC : tissu de cancer du côlon humain, tissu d'amygdalite humain, tissu de cancer du pancréas humain

IF : cellules PC-3,

Informations générales

ELF1, also named as ETS-related transcription factor Elf-1, is originally cloned from a human T-cell cDNA library by hybridization with a probe encoding the DNA binding domain (ETS domain) of the human Ets-1 cDNA. Based on its preferential expression in embryonic lymphoid organs (thymus and spleen), a wide variety of epithelial cells and fetal liver as well as in adult haematopoietic tissues, including thymus, spleen and bone marrow, Elf-1 emerged as a potential key regulator of haematopoietic gene expression. Consistent with this notion, Elf-1 has been shown to be a direct upstream regulator of genes important for haematopoiesis such as Scl, Fli-1, Lyl-1, Runx1 and Lmo2. Elf-1 has also been shown to be important for blood vessel development, a process that is closely linked to early haematopoiesis during embryonic development. Elf-1 has been reported to take part in the transcriptional control of major regulators of blood vessel development such as Tie1, Tie2, angiopoietin-2, the vascular endothelial growth factor receptor 1 (VEGFR1), the endothelial nitric-oxide synthase (eNOS) and endoglin. Functional activity of Ets proteins is modulated at multiple levels. It is known that ELF-1 appears in the cytoplasm as a 80 kDa protein that is O-glycosylated and phosphorylated in order to be translocated into the nucleus where it can be detected as a 98 kDa protein. After dephosphorylation, the protein is degraded through the proteasome pathway. The inactive form of Elf-1 is an 80-kDa protein that lacks DNA-binding activity and is confined to the cytoplasm of the cell. Phosphorylation and O-linked glycosylation increase the molecular weight of Elf-1 to 98 kDa, the active form; 98 kDa Elf-1 binds to the promoter of the gene that codes for CD3ζ inducing its transcription.

Publications notables

Autrice	Pubmed ID	Journal	Application
Joshua E Burda	35614216	Nature	IHC
Kaile Zhang	32478052	Front Bioeng Biotechnol	WB
Yuki Hitomi	34864633	J Autoimmun	EMSA

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

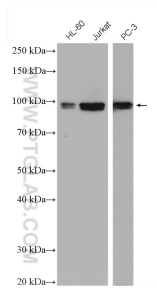
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

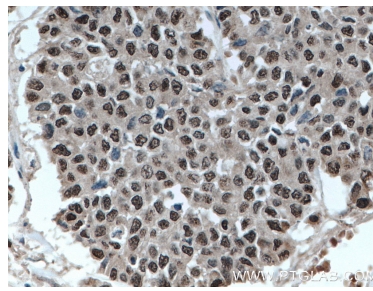
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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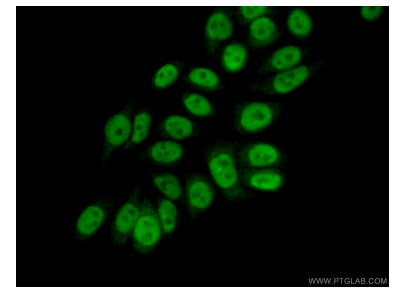
Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 22565-1-AP (ELF1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 22565-1-AP (ELF1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed PC-3 cells using 22565-1-AP (ELF1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).