

Allgemeine Informationen

Katalog-Nr.:
67138-1-Ig

Größe:
150ul, Konzentration: 2100 µg/ml von1997
Nanodrop und 1000 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Maus

Isotyp:
IgG1

Immunogen Katalognummer:
AG14689

GenBank-Zugangsnummer:
BC030507

GeneID (NCBI):

Vollständiger Name:
E74-like factor 1 (ets domain
transcription factor)

Berechnete Masse:
619 aa, 67 kDa

Beobachtete Masse:
93-97 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
2D4A11

Empfohlene Verdünnungen:
WB 1:1000-1:6000

Anwendungen

Geprüfte Anwendungen:
WB, ELISA

Getestete Reaktivität:
Human

Positivkontrollen:

WB: Jurkat-Zellen, A431-Zellen, HL-60-Zellen, PC-3-Zellen, Ramos-Zellen

Hintergrundinformationen

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.

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**

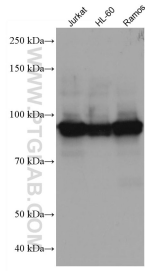
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 67138-1-Ig (ELF1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.