LRF (13E9): sc-33683

BACKGROUND
LRF, formerly identified as Pokemon, is a poxvirus zinc finger (POZ) domain-containing transcription factor that influences cell differentiation. LRF (for leukemia/lymphoma related factor) is also known as zinc finger and BTB domain containing 7A, ZBTB7, TIP21, FB1 and FB1-1. POZ-domain transcription factors contain a POZ or BTB type protein-protein interaction domain at their N-terminus and Krüppel-type zinc fingers at their C-terminus. LRF is inducible during both murine and human preadipocyte differentiation and may contribute to adipogenesis through influencing the switch from cellular proliferation to terminal differentiation. LRF can associate with active chromatin and stimulate Tat-activated HIV-1 transcription through interactions with the HIV-1 long terminal repeat. 3T3-L1 cells stably overexpressing LRF show a reduction in DNA synthesis and in expression of cyclin A, cyclin-dependent kinase 2 and p107.

CHROMOSOMAL LOCATION
Genetic locus: ZBTB7A (human) mapping to 19p13.3; Zbtb7a (mouse) mapping to 12q14.1. Genetic locus: ZBTB7A (human) mapping to 19p13.3; Zbtb7a (mouse) mapping to 12q14.1.

SOURCE
LRF (13E9) is an Armenian hamster monoclonal antibody raised against a synthetic peptide corresponding to amino acids 1-20 of LRF of human origin.

PRODUCT
Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-33683 X, 200 µg/0.1 ml; or azide-free for neutralizing/blocking, sc-33683 L, 200 µg/0.1 ml.

LRF (13E9) is available conjugated to agarose (sc-33683 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-33683 HRP), 200 µg/ml, for WB, IHC(P) and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-33683 X, 200 µg/0.1 ml; or azide-free for neutralizing/blocking, sc-33683 L, 200 µg/0.1 ml.

APPLICATIONS
LRF (13E9) is recommended for detection of LRF of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)) and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Suitable for use as control antibody for LRF siRNA (h): sc-44574, LRF siRNA (m): sc-44575, LRF shRNA Plasmid (h): sc-44574-SH, LRF shRNA Plasmid (m): sc-44575-SH, LRF shRNA (h) Lentiviral Particles: sc-44574-V and LRF shRNA (m) Lentiviral Particles: sc-44575-V.

LRF (13E9) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of LRF: 72 kDa.

STORAGE
Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

DATA

SELECT PRODUCT CITATIONS


RESEARCH USE
For research use only, not for use in diagnostic procedures.

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