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Anti-KLF3 Antibody

Catalog # ABO11194

Product Information

Application	WB
Primary Accession	P57682
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Krueppel-like factor 3(KLF3) detection. Tested with WB in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	51274
Other Names	Krueppel-like factor 3, Basic krueppel-like factor, CACCC-box-binding protein BKLF, TEF-2, KLF3, BKLF
Calculated MW	38829
Application Details	Western blot, 0.1-0.5 □g/ml, Human, Rat, Mouse
Subcellular Localization	Nucleus .
Source	Eukaryota
Protein Name	Krueppel-like factor 3
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human KLF3(20-34aa SYPSNYMESMKPNKY), different from the related rat sequence by one amino acid, and from the related mouse sequence by two amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities	Belongs to the krueppel C2H2-type zinc-finger protein family.

Protein Information

Name	KLF3
Synonyms	BKLF
Function	Binds to the CACCC box of erythroid cell-expressed genes. May play a role in hematopoiesis (By similarity).
Cellular Location	Nucleus.

Background

KLF3(Krueppel-like factor 3) is a protein that in humans is encoded by the KLF3 gene. It is also known as BKLF(Basic kruppel-like factor). KLF3 is a member of the Kr □¼ppel-like factors family of transcription factors. KLF3 primarily represses transcription through the transcriptional corepressor C-terminal binding protein(CtBP). Suske et al.(2005) stated that the human KLF3 gene maps to chromosome 4p14, and the mouse Klf3 gene maps to chromosome 5C3.3. Suske et al.(2005) stated that the human and mouse KLF3 proteins contain 345 and 344 amino acids, respectively. Both have a characteristic zinc finger domain, but lack the N-terminal buttonhead box found in related SP transcription factors. The repression mediated through KLF3 is also partially dependent on the sumoylation of its K10 and K197. Within KLF3's C-terminal, which is highly conserved throughout the KLF family, resides three C2H2 zinc fingers that preferentially bind the site NRG GNG NGR.

Images

Anti-KLF3 antibody, ABO11194, Western blottingLane 1: Rat Testis Tissue LysateLane 2: HELA Cell Lysate