

Anti-KLF8 Antibody

Catalog # ABO11196

Product Information

Application	WB
Primary Accession	O95600
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Krueppel-like factor 8(KLF8) detection. Tested with WB in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	11279
Other Names	Krueppel-like factor 8, Basic krueppel-like factor 3, Zinc finger protein 741, KLF8, BKLF3, ZNF741
Calculated MW	39314
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Nucleus .
Tissue Specificity	Ubiquitous. .
Source	Eukaryota
Protein Name	Krueppel-like factor 8
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human KLF8(1-18aa MVDMDKLINNLEVQLNSE).
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 Sp1 C2H2-type zinc-finger protein family.

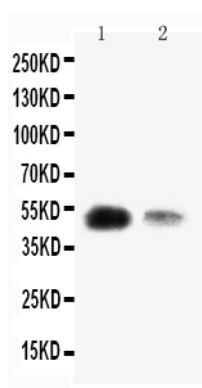
Protein Information

Name	KLF8
Synonyms	BKLF3, ZNF741
Function	Transcriptional repressor and activator. Binds to CACCC-boxes promoter elements. Also binds the GT-box of cyclin D1 promoter and mediates cell cycle progression at G(1) phase as a downstream target of focal adhesion kinase (FAK).
Cellular Location	Nucleus.
Tissue Location	Ubiquitous..

Background

KLF8(Krueppel-like factor 8) is a protein that in humans is encoded by the KLF8 gene. It is also named as ZNF741, or BKLF3. Kruppel-like factor proteins, including KLF8, all contain a characteristic C-terminal DNA-binding domain containing 3 Kruppel-like zinc fingers, and they all recognize CACCC and GC boxes present in promoters and enhancers. The International Radiation Hybrid Mapping Consortium mapped the KLF8 gene to the X chromosome(WI-18614). Suske et al.(2005) stated that the human KLF8 gene maps to chromosome Xp11.21, and the mouse Klf8 gene to chromosome XF3. van Vliet et al.(2000) identified a cDNA encoding KLF8, also called ZNF741. Expression of KLF8 or only its zinc fingers showed that the fingers could bind to a CACCC box. Sequence analysis predicted that the 359-amino acid protein contains a nuclear localization signal upstream of the zinc fingers, a valine-rich hydrophobic stretch, and a pro-val-asp-leu-ser(PVDLS) motif. Yeast 2-hybrid and GST pull-down analysis demonstrated that CTBP2 interacts with KLF8 through the PVDLS motif.

Images



Anti-KLF8 antibody, ABO11196, Western blotting
Lane 1: SMMC Cell Lysate
Lane 2: 293T Cell Lysate

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