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Anti-KLF8 Antibody
Catalog # ABO11196

Specification

Anti-KLF8 Antibody - 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.

Anti-KLF8 Antibody - 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 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Nucleus .

Tissue Specificity
Ubiquitous. .

Protein Name
Krueppel-like factor 8

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 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.

Anti-KLF8 Antibody - 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..

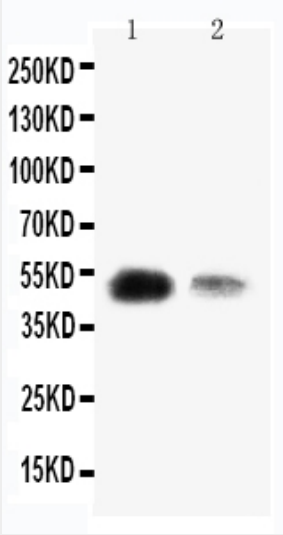
Anti-KLF8 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-KLF8 Antibody - Images

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Anti-KLF8 antibody, ABO11196, Western blottingLane 1: SMMC Cell LysateLane 2: 293T Cell Lysate

Anti-KLF8 Antibody - 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.