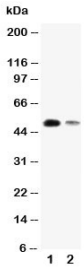
KLF8 Antibody (R30990)

Catalog No.	Formulation	Size
R30990	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O95600
Applications	Western blot: 0.5-1ug/ml
Limitations	This KLF8 antibody is available for research use only.



Western blot testing of KLF8 antibody and Lane 1: SMMC-7721; 2: 293T cell lysate. Predicted size ~40KD, Observed size ~50KD

Description

Kruppel-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 all contain a characteristic C-terminal DNA-binding domain containing three 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 gene to the X chromosome (WI-18614). Suske et al.(2005) stated that the human gene maps to chromosome Xp11.21, and the mouse 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the KLF8 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human Kruppel-like factor 8 (MVDMDKLINNLEVQLNSE) was used as the immunogen for this KLF8 antibody.

Storage

After reconstitution, the KLF8 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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