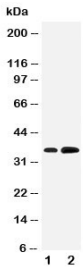
KLF3 Antibody (R30988)

Catalog No.	Formulation	Size
R30988	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
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	P57682
Applications	Western Blot : 0.5-1ug/ml
Limitations	This KLF3 antibody is available for research use only.



Western blot testing of KLF3 antibody and Lane 1: rat testis; 2: human HeLa cell lysate. Predicted size ~37KD

Description

Kruppel-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 Krüppel-like factors family of transcription factors. It primarily represses transcription through the transcriptional corepressor C-terminal binding protein (CtBP). Suske et al.(2005) stated that the human gene maps to chromosome 4p14, and the mouse 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the KLF3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human KLF3 (SYPSNYMESMKPNKY) was used as the immunogen for this KLF3 antibody.

Storage

After reconstitution, the KLF3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.