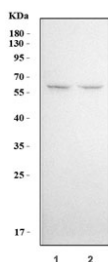


## KLF5 Antibody / Krueppel-like factor 5 (R30989)

Catalog No.	Formulation	Size
R30989	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	Q13887
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This KLF5 antibody is available for research use only.



Western blot testing of human 1) HeLa and 2) A549 cell lysate with KLF5 antibody. Expected molecular weight: 41-51 kDa (two isoforms).

### Description

Kruppel-like factor 5 is a protein that in humans is encoded by the KLF5 gene. It is also known as BTEB2. This gene encodes a member of the Kruppel-like factor subfamily of zinc finger proteins. Suske et al.(2005) stated that the human gene maps to chromosome 13q21.33, and the mouse gene to chromosome 14E2.1. Sogawa et al.(1993) isolated a cDNA encoding KLF5. The predicted protein contains 3 consecutive zinc finger motifs near the C terminus. The zinc finger domains were 59% and 64% identical to those of Sp1 (189906) and BTEB1, respectively. Both KLF5 and Sp1 have a short basic region preceding the zinc finger motifs that may play an auxiliary role in DNA binding. The N-terminal region of KLF5 is proline rich. Recombinant KLF5 protein and Sp1 showed very similar DNA-binding specificity in vitro. When

expressed in mammalian cells, KLF5 activated the transcription of a reporter gene fused to a GC box-containing promoter. Sogawa et al.(1993) also identified the rat homolog.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the KLF5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the middle region of human Kruppel-like factor 5 (HKKYRRDSASVVDQFFTD) was used as the immunogen for this KLF5 antibody.

## Storage

After reconstitution, the KLF5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.