

Anti-KLF5 Antibody (Monoclonal, 31K68)

Catalog Number: M00727-2

About KLF5

KLF5(Krueppel-like factor 5) is a protein that in humans is encoded by the KLF5 gene. It is also known as BASIC TRANSCRIPTION ELEMENT-BINDING PROTEIN 2 or BTEB2. This gene encodes a member of the Kruppel-like factor subfamily of zinc finger proteins. Suske et al.(2005)stated that the human KLF5 gene maps to chromosome 13q21.33, and the mouse Klf5 gene to chromosome 14E2.1. Sogawa et al.(1993)isolated a cDNA encoding BTEB2. The predicted 219-amino acid 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 BTEB2 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 BTEB2 is proline rich. Recombinant BTEB2 protein and Sp1 showed very similar DNA-binding specificity in vitro. When expressed in mammalian cells, BTEB2 activated the transcription of a reporter gene fused to a GC box-containing promoter. Sogawa et al.(1993) also identified the rat BTEB2 homolog. Northern blot analysis of rat tissues revealed that BTEB2 is expressed only in the testis and placenta.

Overview

Product Name	Anti-KLF5 Antibody (Monoclonal, 31K68)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-KLF5 Antibody (Monoclonal, 31K68) catalog # M00727-2. Tested in ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, ICC
Clonality	Monoclonal 31K68
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q13887

Technical Details

Immunogen	Recombinant protein within human KLF5 aa 83-378.
Form	Liquid
Concentration	500 ug/ml

Purification	Protein A affinity purified.
Suggested Dilutions	Immunocytochemistry/Immunofluorescence, 1:50-200 Flow Cytometry (Fixed), 1:50-200

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For Research Use Only. Not for use in diagnostic procedures.