

HMG-2L1 (K-13): sc-86489

BACKGROUND

High mobility group (HMG) protein 1 and 2 have been classified by DNA binding preferences and are ubiquitous non-histone components of chromatin. They bind to the minor groove of AT-rich DNA sequences with high affinity. Evidence suggests that the binding of HMG proteins to DNA induces alterations in the DNA architecture including DNA bending and unwinding of the helix. HMG proteins synergize with Oct-2, members of the NF κ B family, ATF-2 and c-Jun to activate transcription. HMG-2L1 (high mobility group protein 2-like 1), also known as HMGBCG, is a member of the HMG chromosomal protein superfamily. It contains a single HMG box DNA binding domain and therefore does not contain an acidic C-terminal tail. HMG-2L1 is expressed in the nucleus and may play a role in transcriptional regulation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: HMGXB4 (human) mapping to 22q12.3; Hmgxb4 (mouse) mapping to 8 C1.

SOURCE

HMG-2L1 (K-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of HMG-2L1 of human origin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-86489 X, 200 μ g/0.1 ml.

Blocking peptide available for competition studies, sc-86489 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

HMG-2L1 (K-13) is recommended for detection of HMG-2L1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other HMG family members.

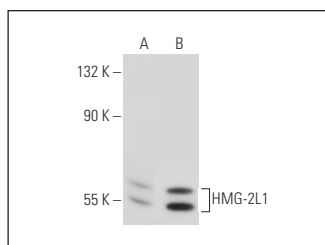
Suitable for use as control antibody for HMG-2L1 siRNA (h): sc-75266, HMG-2L1 siRNA (m): sc-146048, HMG-2L1 shRNA Plasmid (h): sc-75266-SH, HMG-2L1 shRNA Plasmid (m): sc-146048-SH, HMG-2L1 shRNA (h) Lentiviral Particles: sc-75266-V and HMG-2L1 shRNA (m) Lentiviral Particles: sc-146048-V.

HMG-2L1 (K-13) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of HMG-2L1: 77 kDa.

Positive Controls: HMG-2L1 (h2): 293T Lysate: sc-128808 or c4 whole cell lysate: sc-364186.

DATA



HMG-2L1 (K-13): sc-86489. Western blot analysis of HMG-2L1 expression in non-transfected: sc-117752 (A) and human HMG-2L1 transfected: sc-128808 (B) 293T whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

MONOS
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Try **HMG-2L1 (F-10): sc-166797** or **HMG-2L1 (D-1): sc-166828**, our highly recommended monoclonal alternatives to HMG-2L1 (K-13).