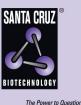
SANTA CRUZ BIOTECHNOLOGY, INC.

IRX6 (F-25): sc-133695



The Power to Question

BACKGROUND

The Iroquois homeobox gene family of transcription factors regulate various aspects of embryonic development, including anterior/posterior and dorsal/ ventral axis patterning and regionalization in both vertebrate and invertebrate central nervous systems. The Iroquois family is comprised of two groups termed IRXA and IRXB, which map to chromosomes 8 and 13 in mice. The IRXA group includes IRX1, IRX2 and IRX4, and the IRXB group consists of IRX3, IRX5 and IRX6. IRX6 (Iroquois related homeobox 6), also known as IRXB3 (homeodomain protein IRXB3), is a 438 amino acid nuclear protein belonging to the Iroquois homeobox family. IRX6 contains one homeobox DNA-binding domain and is encoded by a gene located on mouse chromosome 8 C5.

REFERENCES

- 1. Christoffels, V.M., Keijser, A.G., Houweling, A.C., Clout, D.E. and Moorman, A.F. 2000. Patterning the embryonic heart: identification of five mouse lroquois homeobox genes in the developing heart. Dev. Biol. 224: 263-274.
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- 7. Online Mendelian Inheritance in Man, OMIM™. 2006. Johns Hopkins University, Baltimore, MD. MIM Number: 606197. World Wide Web URL: http://www.ncbi.nlm.nih.gov/omim/

CHROMOSOMAL LOCATION

Genetic locus: Irx6 (mouse) mapping to 8 C5.

STORAGE

Store at 4° C, **D0 NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

SOURCE

IRX6 (F-25) is a Protein A purified rabbit polyclonal antibody raised against synthetic IRX6 peptide of mouse origin.

PRODUCT

Each vial contains 100 μ g lgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

IRX6 (F-25) is recommended for detection of IRX6 of mouse 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

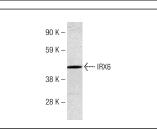
Suitable for use as control antibody for IRX6 siRNA (m): sc-146291, IRX6 shRNA Plasmid (m): sc-146291-SH and IRX6 shRNA (m) Lentiviral Particles: sc-146291-V.

Molecular Weight of IRX6: 47 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker[™] compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker[™] Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



IRX6 (F-25): sc-133695. Western blot analysis of IRX6 expression in NIH/3T3 whole cell lysate.

RESEARCH USE

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