



LBX1 (C-14): sc-22233

BACKGROUND

The human homolog of the *Drosophila* lady bird late gene, LBX1, is specifically expressed in the developing central nervous system and musculoskeletal system. The LBX1 gene has a restrictive expression pattern in the dorsal portion of the mantle of the spinal cord and the hindbrain of the CNS. In the developing mouse and chicken musculoskeletal system, LBX1 is expressed in migrating limb muscle precursor cells. In addition, LBX1 may regulate migratory patterns of limb muscle cell precursors and may be essential to dorsal identification of forelimb muscles.

REFERENCES

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SOURCE

LBX1 (C-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of LBX1 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-22233 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

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

APPLICATIONS

LBX1 (C-14) is recommended for detection of LBX1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

Store at 4° C, ****DO 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.