

Wnt-2b (Q-22): sc-134152

BACKGROUND

The Wnt family of proto-oncogenes consists of at least 13 known members which encode secreted signaling proteins that are involved in oncogenesis and several other developmental processes, such as regulation of cell fate and embryogenesis. Wnt-2b (wingless-type MMTV integration site family, member 2B), also known as WNT13 or XWNT2, is a 391 amino acid protein that is secreted into the extracellular matrix and belongs to the Wnt family. Expressed as two isoforms, the first of which is present primarily in adult tissues and the second of which is present primarily in fetal tissues, Wnt-2b functions as a ligand for transmembrane receptor proteins and is thought to play a role in tissue differentiation and development. Wnt-2b is expressed in a variety of cancer cell lines, suggesting a role in tumorigenesis.

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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.

CHROMOSOMAL LOCATION

Genetic locus: WNT2B (human) mapping to 1p13.2; Wnt2b (mouse) mapping to 3 F2.2.

SOURCE

Wnt-2b (Q-22) is a Protein A purified rabbit polyclonal antibody raised against synthetic Wnt-2b peptide of human origin.

PRODUCT

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

APPLICATIONS

Wnt-2b (Q-22) is recommended for detection of Wnt-2b of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

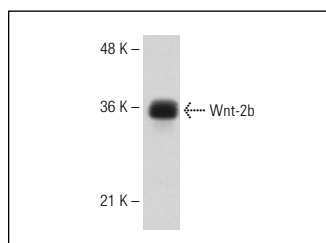
Suitable for use as control antibody for Wnt-2b siRNA (h): sc-78902, Wnt-2b siRNA (m): sc-155356, Wnt-2b shRNA Plasmid (h): sc-78902-SH, Wnt-2b shRNA Plasmid (m): sc-155356-SH, Wnt-2b shRNA (h) Lentiviral Particles: sc-78902-V and Wnt-2b shRNA (m) Lentiviral Particles: sc-155356-V.

Molecular Weight (predicted) of Wnt-2b: 44 kDa.

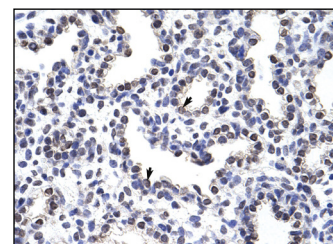
Molecular Weight (observed) of Wnt-2b: 38 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204 or mouse brain extract: sc-2253.

DATA



Wnt-2b (Q-22): sc-134152. Western blot analysis of Wnt-2b expression in Jurkat whole cell lysate.



Wnt-2b (Q-22): sc-134152. Immunoperoxidase staining of formalin-fixed, paraffin-embedded human lung tissue showing nuclear localization.

RESEARCH USE

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