

FXR β (H-23): sc-133598

BACKGROUND

NR (nuclear receptor) proteins comprise a large family of nuclear hormone receptor transcription factors that are characterized by discrete domains which function in DNA and ligand binding. FXR β (farnesoid X receptor β), also known as Nr1h5 (nuclear receptor subfamily 1, group H, member 5), is a 505 amino acid murine protein that belongs to the NR family. Existing as multiple alternatively spliced isoforms, FXR β is coexpressed with FXR (farnesoid X receptor) in both adult and embryonic tissues where it stimulates transcription, specifically by dimerizing with RXR α (retinoid X receptor, α) and acting as a receptor for 9-*cis*-retinoic acid. Additionally, FXR β may function as a receptor for lanosterol, an intermediate in cholesterol biosynthesis, suggesting a role for FXR β in cholesterol metabolism.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Nr1h5 (mouse) mapping to 3 F2.2.

SOURCE

FXR β (H-23) is a Protein A purified rabbit polyclonal antibody raised against synthetic FXR β peptide of mouse origin.

PRODUCT

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

APPLICATIONS

FXR β (H-23) is recommended for detection of FXR β 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 FXR β siRNA (m): sc-155895, FXR β shRNA Plasmid (m): sc-155895-SH and FXR β shRNA (m) Lentiviral Particles: sc-155895-V.

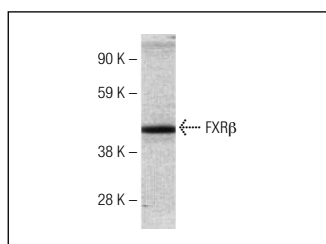
Molecular Weight of FXR β splice variants: 63/57/42 kDa.

Positive Controls: SP2/0 whole cell lysate.

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



FXR β (H-23): sc-133598. Western blot analysis of FXR β expression in SP2/0 whole cell lysate.

STORAGE

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

RESEARCH USE

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

PROTOCOLS

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