

TBL1XR1 (AP-86): sc-517365

BACKGROUND

TBL1XR1 (transducin β -like 1 X-linked receptor 1), also known as C21, DC42, IRA1 or TBLR1 (TBL1-related protein 1), is a ubiquitously expressed protein that belongs to the WD repeat EBI family of proteins. Localizing to the cytoplasm and the nucleus, TBL1XR1 contains eight WD repeats, one LisH domain and one F-box-like domain. TBL1XR1 functions as a transcriptional regulator, acting as a component of the co-repressor machinery (NCoR/SMRT complex) that is required for the activation of many transcription factors. Specifically, TBL1XR1 is essential for the recruitment of proteasome machinery and, therefore, the subsequent degradation of co-repressors upon ligand binding. The knockdown of TBL1XR1 inhibits β -catenin-mediated transcription and greatly suppresses the growth of head and neck squamous cell carcinoma cells. This suggests that TBL1XR1 may be a useful target in anti-cancer therapy.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TBL1XR1 (human) mapping to 3q26.32; Tbl1xr1 (mouse) mapping to 3 A3.

SOURCE

TBL1XR1 (AP-86) is a mouse monoclonal antibody raised against a recombinant protein corresponding to TBL1XR1 of human origin.

PRODUCT

Each vial contains 100 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide, 0.1% gelatin and 1% glycerol.

APPLICATIONS

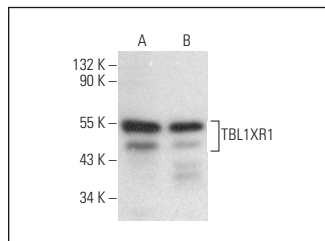
TBL1XR1 (AP-86) is recommended for detection of TBL1XR1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500).

Suitable for use as control antibody for TBL1XR1 siRNA (h): sc-106601, TBL1XR1 siRNA (m): sc-154120, TBL1XR1 shRNA Plasmid (h): sc-106601-SH, TBL1XR1 shRNA Plasmid (m): sc-154120-SH, TBL1XR1 shRNA (h) Lentiviral Particles: sc-106601-V and TBL1XR1 shRNA (m) Lentiviral Particles: sc-154120-V.

Molecular Weight of TBL1XR1: 55 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200 or K-562 whole cell lysate: sc-2203.

DATA



TBL1XR1 (AP-86): sc-517365. Western blot analysis of TBL1XR1 expression in K-562 (A) and HeLa (B) whole cell lysates.

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 for detailed protocols and support products.