TaR (M-67): sc-134819



The Power to Question

BACKGROUND

Trace amines are endogenous molecules structurally related to classical biogenic amines that are linked to psychiatric conditions. A family of G protein-coupled receptors referred to as trace-amine-associated receptors, (TaRs or TAARs) are activated by trace amines and are present in very low levels in mammalian tissue. TaRs contain several structural features that are similar to the rhodopsin β -adrenergic receptor superfamily, including the positions of the seven transmembrane regions that provide common ligand-binding pockets as well as the short N- and C-terminal domains. TaRs are associated with the detection of social cues, illustrating their significance as therapeutic targets. Specifically, TaR proteins are potential targets for drugs of abuse, such as amphetamine and MDMA, as well as neuropsychiatric disorders including schizophrenia, depression, and attention deficit disorder.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Taar1 (mouse) mapping to 10 A4.

SOURCE

TaR (M-67) is a rabbit polyclonal antibody raised against amino acids 181-247 mapping near the C-terminus of TaR-1 of mouse origin.

PRODUCT

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

APPLICATIONS

TaR (M-67) is recommended for detection of TaR-1 of mouse and rat 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 solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for TaR siRNA (m): sc-61645, TaR shRNA Plasmid (m): sc-61645-SH and TaR shRNA (m) Lentiviral Particles: sc-61645-V.

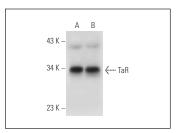
Molecular Weight (predicted) of TaR: 39 kDa.

Molecular Weight (observed) of TaR: 33 kDa.

Molecular Weight of glycosylated TaR: 42 kDa.

Positive Controls: mouse brain extract: sc-2253 or mouse cerebellum extract: sc-2403.

DATA



TaR (M-67): sc-134819. Western blot analysis of TaR expression in mouse brain (**A**) and mouse cerebellum (**B**) tissue extracts.

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.



Try **TaR (D-7): sc-398096**, our highly recommended monoclonal alternative to TaR (M-67).

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