OR5B12 (609CT8.2.4): sc-517347



The Power to Question

BACKGROUND

Olfactory receptors are G protein-coupled receptors that localize to the cilia of olfactory sensory neurons where they display affinity for and bind to a variety of odor molecules. The genes encoding olfactory receptors comprise the largest family in the human genome. The binding of olfactory receptor proteins to odor molecules triggers a signal transduction that propagates nerve impulses throughout the body, ultimately leading to transmission of the signal to the brain and the subsequent perception of smell. OR5B12 (olfactory receptor 5B12) is a 314 amino acid protein. The gene encoding OR5B12 maps to human chromosome 11.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: OR5B12 (human) mapping to 11q12.1.

SOURCE

OR5B12 (609CT8.2.4) is a mouse monoclonal antibody raised against a synthetic peptide corresponding to amino acids 278-307 in the C-terminal region of OR5B12 of human origin.

PRODUCT

Each vial contains 100 μg lgG_{2b} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

OR5B12 (609CT8.2.4) is recommended for detection of OR5B12 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Suitable for use as control antibody for OR5B12 siRNA (h): sc-96528, OR5B12 shRNA Plasmid (h): sc-96528-SH and OR5B12 shRNA (h) Lentiviral Particles: sc-96528-V.

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.

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