# TAAR6 (Y-17): sc-55331



The Power to Question

#### **BACKGROUND**

Trace amines are endogenous molecules structurally related to classical biogenic amines that are linked to psychiatric conditions. TAAR9 belongs to a family of G protein-coupled receptors, referred to as trace-amine-associated receptors (TAAR), which are activated by trace amines and are present in very low levels in mammalian tissue. TAARs contain several structural features that are similar to the rhodopsin  $\beta$ -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. TAAR proteins are potential targets for studying amine-containing drugs of abuse, such as amphetamines and MDMA, as well as neuropsychiatric disorders including schizophrenia, depression and attention deficit disorder.

# **REFERENCES**

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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.

### **CHROMOSOMAL LOCATION**

Genetic locus: TAAR6 (human) mapping to 6g23.2.

#### **SOURCE**

TAAR6 (Y-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an extracellular domain of TAAR6 of human origin.

## **PRODUCT**

Each vial contains 200  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-55331 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

# **APPLICATIONS**

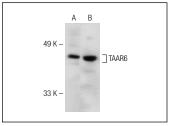
TAAR6 (Y-17) is recommended for detection of TAAR6 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μg per 100-500 μg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for TAAR6 siRNA (h): sc-106593, TAAR6 shRNA Plasmid (h): sc-106593-SH and TAAR6 shRNA (h) Lentiviral Particles: sc-106593-V.

Molecular Weight of TAAR6: 38 kDa.

Positive Controls: SK-N-MC cell lysate: sc-2237 or CHO whole cell lysate.

# DATA



TAAR6 (Y-17): sc-55331. Western blot analysis of TAAR6 expression in CHO (A) and SK-N-MC (B) whole cell lysates.

# **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.

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