

For Research Use Only

# OR9Q1 Polyclonal antibody, PBS Only

Catalog Number: 24942-1-PBS



## Basic Information

**Catalog Number:**

24942-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG13548

**GenBank Accession Number:**

BC110819

**GeneID (NCBI):**

219956

**UNIPROT ID:**

Q8NGQ5

**Full Name:**

olfactory receptor, family 9, subfamily Q, member 1

**Calculated MW:**

310 aa, 35 kDa

**Observed MW:**

35 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

human

## Background Information

OR9Q1 is a class A olfactory GPCR expressed in olfactory sensory neurons, where it contributes to odor detection through cAMP-mediated signaling. As part of the extensive olfactory receptor repertoire, OR9Q1 participates in the combinatorial encoding of odorant stimuli, supporting sensory discrimination of volatile chemicals. Although specific ligands and disease associations remain largely undefined, genetic variation in OR genes-including OR9Q1-contributes to individual diversity in olfactory perception.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

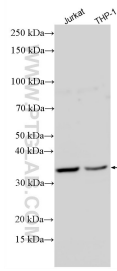
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24942-1-AP (OR9Q1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24942-1-PBS in a different storage buffer formulation.