Datasheet for ABIN953900

anti-OR9Q1 antibody (C-Term)

3 Images

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Overview

Quantity:	0.4 mL
Target:	OR9Q1
Binding Specificity:	AA 282-312, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OR9Q1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 282-312 amino acids from the C-terminal region of human Olfactory receptor 9Q1 Genename: OR9Q1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse Olfactory receptor 9Q1 (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	OR9Q1
Alternative Name:	Olfactory Receptor 9Q1 (OR9Q1 Products)

Target Details

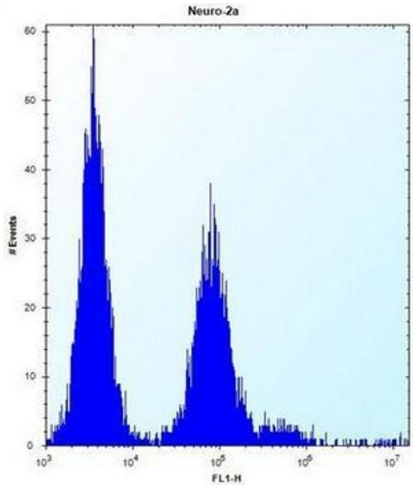
Background:	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms.Synonyms: OR9Q1
Molecular Weight:	34757 Da
Gene ID:	219956
NCBI Accession:	NP_001005212

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

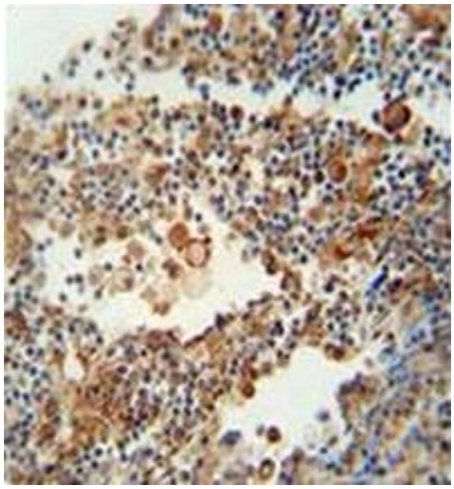
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



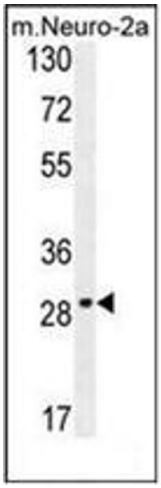
Flow Cytometry

Image 1. Flow cytometric analysis of Neuro-2a cells using OR9Q1 Antibody (C-term) Cat.-No Cat.-No AP53114PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma reacted with OR9Q1 Antibody (C-term) Cat.-No Cat.-No AP53114PU-N peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of the OR9Q1 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis of OR9Q1 Antibody (C-term) in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the OR9Q1 antibody detected the OR9Q1 protein (arrow).