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Product datasheet for AP53114PU-N

OR9Q1 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/100-1/500. **Flow Cytometry:** 1/410-1/50. **Immunohistochemistry on Paraffin Sections:** 1/50-1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 282-312 amino acids from the C-terminal region of human Olfactory receptor 9Q1
Specificity:	This antibody recognizes Human and Mouse Olfactory receptor 9Q1 (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	olfactory receptor family 9 subfamily Q member 1
Database Link:	Entrez Gene 219956 Human Q8NGQ5

View online »

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.

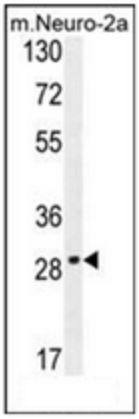
Synonyms: OR9Q1

Note: **Molecular Weight:** 34757 Da

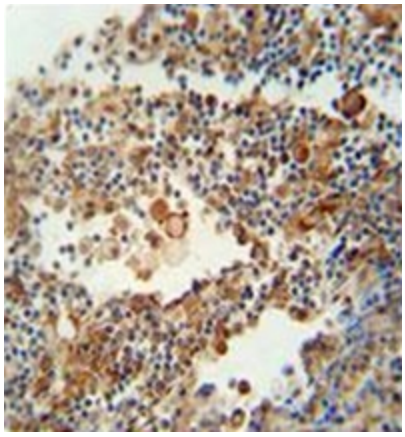
Protein Families: Transmembrane

Protein Pathways: Olfactory transduction

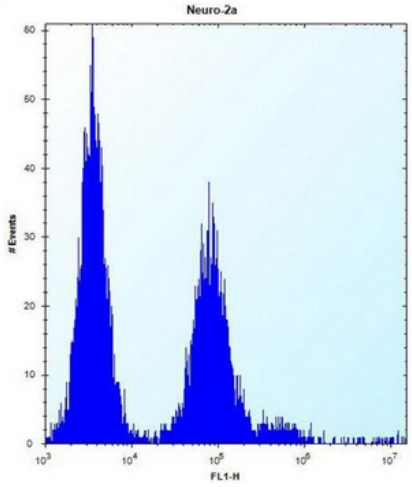
Product images:



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).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma reacted with OR9Q1 Antibody (C-term) 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.



Flow cytometric analysis of Neuro-2a cells using OR9Q1 Antibody (C-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.