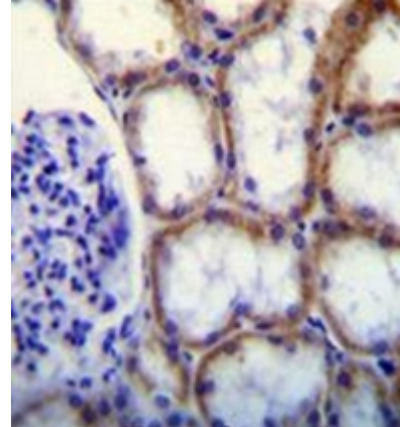


## Polyclonal Antibody to OR4K15 (C-term) - Aff - Purified

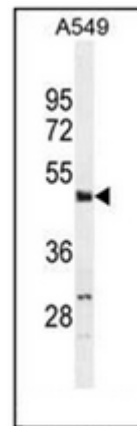
<b>Alternate names:</b>	Olfactory receptor 4K15
<b>Catalog No.:</b>	AP53059PU-N
<b>Quantity:</b>	0.4 ml
<b>Concentration:</b>	lot specific
<b>Background:</b>	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory 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.
<b>Uniprot ID:</b>	<a href="#">Q8NH41</a>
<b>NCBI:</b>	<a href="#">NP_001005486</a>
<b>GeneID:</b>	<a href="#">81127</a>
<b>Host / Isotype:</b>	Rabbit / Ig
<b>Immunogen:</b>	KLH conjugated synthetic peptide between 315-344 amino acids from the C-terminal region of human OR4K15
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Protein A column, followed by peptide affinity purification <b>Buffer System:</b> PBS containing 0.09% (W/V) Sodium Azide as preservative
<b>Applications:</b>	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Flow Cytometry:</b> 1/10-1/50. <b>Immunohistochemistry on Paraffin Sections:</b> 1/10-1/50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes Human OR4K15 (C-term).
<b>Add. Information:</b>	<b>Molecular Weight:</b> 39088 Da
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)

**Pictures:**

Immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue reacted with OR4K15 Antibody (C-term) Cat.-No AP53059PU-N, which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of OR4K15 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western blot analysis of OR4K15 Antibody (C-term) Cat.-No AP53059PU-N in A549 cell line lysates (35ug/lane). This demonstrates the OR4K15 antibody detected the OR4K15 protein (arrow).



Flow cytometric analysis of A549 cells using OR4K15 Antibody (C-term) Cat.-No AP53059PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

