

**AP53002PU-N****Polyclonal Antibody to Olfactory receptor 10A4 (C-term) - Aff - Purified**

<b>Alternate names:</b>	HP2, OR10A4, OR10A4P, Olfactory receptor-like protein JCG5
<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="#">Q9H209</a>
<b>NCBI:</b>	<a href="#">NP_997069</a>
<b>GeneID:</b>	<a href="#">283297</a>
<b>Host / Isotype:</b>	Rabbit / Ig
<b>Immunogen:</b>	KLH conjugated synthetic peptide between 248-277 amino acids from the C-terminal region of Human Olfactory receptor 10A4 <b>Genename:</b> OR10A4
<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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes Human Olfactory receptor 10A4 (C-term).
<b>Add. Information:</b>	<b>Molecular Weight:</b> 35117 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) Fuchs, T., et al. Genomics 80(3):295-302(2002) Gaudin, J.C., et al. Chem. Senses 26(9):1157-1166(2001) Lane, R.P., et al. Proc. Natl. Acad. Sci. U.S.A. 98(13):7390-7395(2001)

**Pictures:**

Western blot analysis of OR10A4 Antibody (C-term) Cat.-No AP53002PU-N in Jurkat, K562 cell line lysates (35ug/lane). This demonstrates the OR10A4 antibody detected the OR10A4 protein (arrow).

