



# Anti-OR4P4 monoclonal antibody (DCABH-12709)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</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.
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<b>Immunogen</b>	A synthetic peptide of human OR4P4 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">OR4P4 olfactory receptor, family 4, subfamily P, member 4 [ Homo sapiens ]</a>
Official Symbol	OR4P4
Synonyms	OR4P4; olfactory receptor, family 4, subfamily P, member 4; OR4P3P; olfactory receptor 4P4; olfactory receptor 4P3; olfactory receptor, family 4, subfamily P, member 3 pseudogene;
Entrez Gene ID	<a href="#">81300</a>
Protein Refseq	<a href="#">NP_001004124</a>
UniProt ID	<a href="#">Q8NGL7</a>
Chromosome Location	11q11
Pathway	GPCR downstream signaling, organism-specific biosystem; Olfactory Signaling Pathway, organism-specific biosystem; Olfactory transduction, organism-specific biosystem; Olfactory transduction, conserved biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;
Function	G-protein coupled receptor activity; olfactory receptor activity; receptor activity; signal transducer activity;