

## Product datasheet for **AP53051PU-N**

### OR4D2 (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 210-240 amino acids from the C-terminal region of human Olfactory receptor 4D2
Specificity:	This antibody recognizes Human Olfactory receptor 4D2 (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 4 subfamily D member 2
Database Link:	<a href="#">Entrez Gene 124538 Human P58180</a>



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**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:**

Olfactory receptor OR17-24, B-lymphocyte membrane protein BC2009, OR4D2

**Note:**

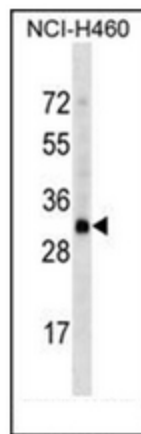
**Molecular Weight:** 34958 Da

**Protein Families:**

Transmembrane

**Protein Pathways:**

Olfactory transduction

**Product images:**

Western blot analysis of OR4D2 Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). This demonstrates the OR4D2 antibody detected the OR4D2 protein (arrow).