

Product datasheet for **AP53023PU-N**

OR1J4 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 275-303 amino acids from the C-terminal region of human OR1J4
Specificity:	This antibody recognizes Human OR1J4 (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 1 subfamily J member 4
Database Link:	Entrez Gene 26219 Human Q8NGS1



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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:

HTPCRX01, Olfactory receptor OR9-21, Olfactory receptor 1J4

Note:

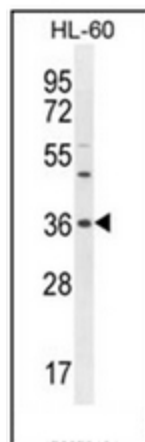
Molecular Weight: 34959 Da

Protein Families:

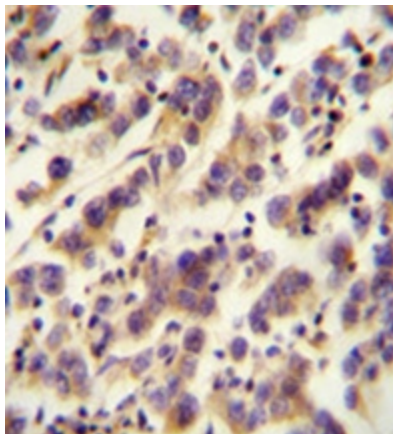
Druggable Genome, Transmembrane

Protein Pathways:

Olfactory transduction

Product images:

Western blot analysis of OR1J4 Antibody (C-term) in HL-60 cell line lysates (35ug/lane). This demonstrates the OR1J4 antibody detected the OR1J4 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human testis carcinoma reacted with OR1J4 Antibody (C-term), which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of the OR1J4 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.