OR7D4 polyclonal antibody

Catalog # PAB15651 Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised aganist synthetic peptide of OR7D4.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human OR7D4.
Sequence	C-SIQARSKDISY
Host	Goat
Theoretical MW (kDa)	34.4
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — OR7D4

Entrez GeneID	125958
Protein Accession#	NP_001005191.1
Gene Name	OR7D4
Gene Alias	OR19-7, OR19-B, OR19B, OR7D4P, hg105
Gene Description	olfactory receptor, family 7, subfamily D, member 4
Omim ID	611538
Gene Ontology	Hyperlink
Gene Summary	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response tha t 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 receptor s 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. T he 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. [provid ed by RefSeq
Other Designations	odorant receptor family 7 subfamily D member 4 RT|olfactory receptor OR19-7|olfactory receptor, family 7, subfamily D, member 4 pseudogene

Publication Reference

- Genetic variation in a human odorant receptor alters odour perception.

  Keller A, Zhuang H, Chi Q, Vosshall LB, Matsunami H.

  Nature 2007 Sep; 449(7161):468.

Pathway

- Olfactory transduction