



Anti-OR2A42 (aa 35-94) polyclonal antibody (DPAB-DC1868)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	OR2A42 (NP_001001802, 35 a.a. ~ 94 a.a) partial recombinant protein with GST tag. The sequence is NGAILGLISLDSRLHTPMYFFLSHLAVVDIAYTRNTVPQMLANLLHPAKPISFAGCMTQT
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	OR2A42 olfactory receptor, family 2, subfamily A, member 42 [Homo sapiens (human)]
Official Symbol	OR2A42
Synonyms	OR2A42; olfactory receptor, family 2, subfamily A, member 42; olfactory receptor 2A1/2A42; olfactory receptor OR7-16; olfactory receptor OR7-19;
Entrez Gene ID	402317
Protein Refseq	NP_001001802
UniProt ID	Q8NGT9
Chromosome Location	7q35
Pathway	GPCR downstream signaling; Olfactory transduction; Signal Transduction.
Function	G-protein coupled receptor activity; olfactory receptor activity;