ELK Biotechnology

Olfactory receptor 2D2 rabbit pAb

Cat No.:ES4685

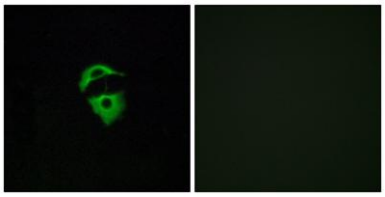
For research use only

Overview

Product Name	Olfactory receptor 2D2 rabbit pAb
Host species	Rabbit
Applications	IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human OR2D2. AA range:231-280
Specificity	Olfactory receptor 2D2 Polyclonal Antibody detects endogenous levels of Olfactory receptor 2D2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Olfactory receptor 2D2
Gene Name	OR2D2
Cellular localization	Cell membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	120776
Human Swiss-Prot Number	Q9H210
Alternative Names	OR2D2; OR2D1; Olfactory receptor 2D2; HB2; Olfactory receptor 11-610; OR11-610; Olfactory receptor 2D1; Olfactory receptor OR11-88
Background	olfactory receptor family 2 subfamily D member 2(OR2D2) Homo sapiens 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. [provided by RefSeq, Jul 2008],

Immunofluorescence analysis of A549 cells, using OR2D2 Antibody. The picture on the right is blocked with the synthesized peptide.



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