

Olfactory receptor 1D2 rabbit pAb

Cat No.:ES6447

For research use only

Overview

Product Name	Olfactory receptor 1D2 rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human OR1D2. AA range:201-250
Specificity	Olfactory receptor 1D2 Polyclonal Antibody detects endogenous levels of Olfactory receptor 1D2 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 1D2
Gene Name	OR1D2
Cellular localization	Cell membrane ; Multi-pass membrane protein . In spermatazoa is localized in the midpiece and is translocated to the head region upon receptor stimulation with bourgeonal.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	40kD
Human Gene ID	4991
Human Swiss-Prot Number	P34982
Alternative Names	OR1D2; OLFR1; Olfactory receptor 1D2; Olfactory receptor 17-4; OR17-4; Olfactory receptor OR17-6; Olfactory receptor-like protein HGMP07E

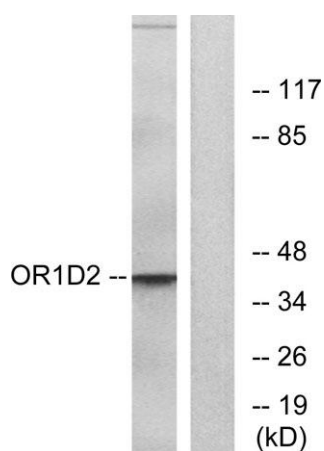
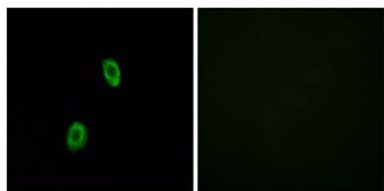




Background

olfactory receptor family 1 subfamily D member 2(OR1D2) 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 HUVEC cells, using OR1D2 Antibody. The picture on the right is blocked with the synthesized peptide.

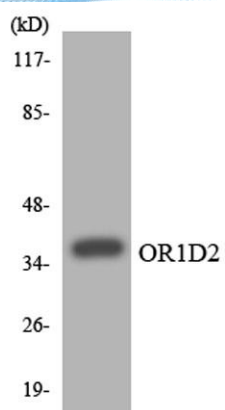


Western blot analysis of lysates from Jurkat cells, using OR1D2 Antibody. The lane on the right is blocked with the synthesized peptide.





ELK Biotechnology



Western blot analysis of the lysates from HepG2 cells using OR1D2 antibody.



+86-27-59760950

ELKbio@ELKbiotech.com

www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road, Wuhan East Lake Hi-tech Development Zone, Hubei, P.R.C.