ELK Biotechnology

Olfactory receptor 2A5/14 rabbit pAb

Cat No.:ES4784

For research use only

Overview

Product Name	Olfactory receptor 2A5/14 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: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human OR2A5/2A14. AA range:241-290
Specificity	Olfactory receptor 2A5/14 Polyclonal Antibody detects endogenous levels of Olfactory receptor 2A5/14 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 2A5/14
Gene Name	OR2A5/OR2A14
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	35kD
Human Gene ID	135941/393046
Human Swiss-Prot Number	Q96R47/Q96R48
Alternative Names	OR2A14; OR2A14P; OR2A6; Olfactory receptor 2A14; OST182; Olfactory receptor 2A6; Olfactory receptor OR7-12; OR2A5; OR2A26; OR2A8; Olfactory receptor 2A5; Olfactory receptor 2A26; Olfactory receptor 2A8; Olfactory receptor 7-138/7-141; OR7-1

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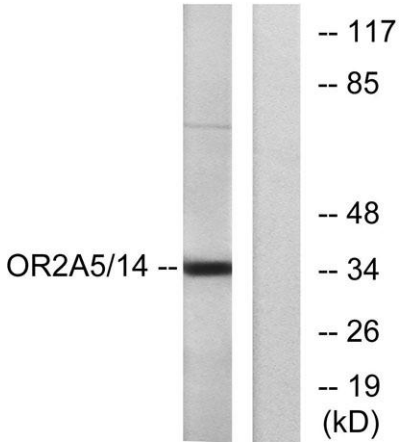
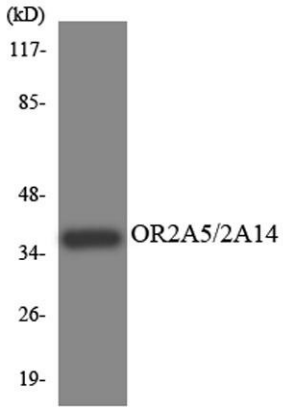
Background

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. [provided by RefSeq, Jul 2008],



Western blot analysis of lysates from K562 cells, using OR2A5/2A14 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using OR2A5/2A14 antibody.

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