

Olfactory receptor 4K14 rabbit pAb

Cat No.:ES3044

For research use only

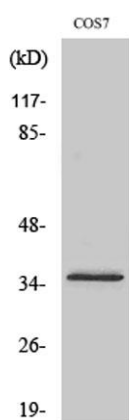
Overview

Product Name	Olfactory receptor 4K14 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Monkey
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human OR4K14. AA range:261-310
Specificity	Olfactory receptor 4K14 Polyclonal Antibody detects endogenous levels of Olfactory receptor 4K14 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 4K14
Gene Name	OR4K14
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	37kD
Human Gene ID	122740
Human Swiss-Prot Number	Q8NGD5
Alternative Names	OR4K14; Olfactory receptor 4K14; Olfactory receptor OR14-22
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

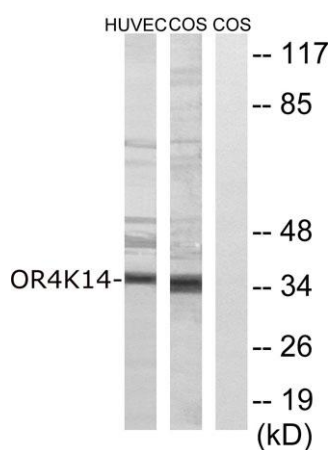




single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The 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 various cells using Olfactory receptor 4K14 Polyclonal Antibody diluted at 1:2000

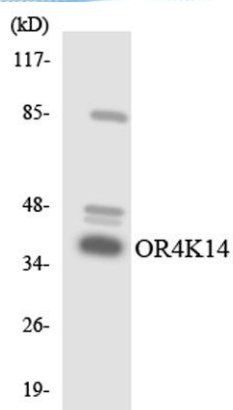


Western blot analysis of lysates from COS7 and HUVEC cells, using OR4K14 Antibody. The lane on the right is blocked with the synthesized peptide.





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Western blot analysis of the lysates from COLO205 cells using OR4K14 antibody.



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